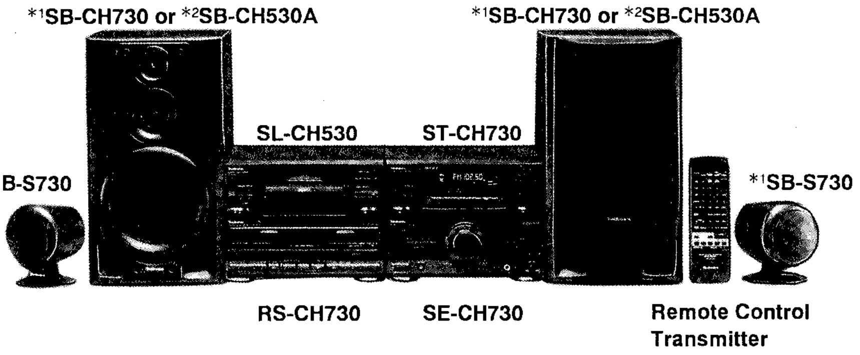
ORDER NO. AD9507172C8

Service Manual

Tuner/Sound Processor

Tuner

ST-CH730


*1SB-CH730 or *2SB-CH530A
*1SB-CH730 or *2SB-CH530A
SL-CH530
ST-CH730
*1SB-S730
*1SB-S730
RS-CH730
SE-CH730
Remote Control Transmitter

Note: The design of SB-CH530A is differ from the above picture.

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Colour

(K) : Black

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle East, Africa and Oceania	

System: SC-CH730

Specifications

■ Pre-amplifier section	
Input sensitivity/impedance	
PHONO	2.5 mV/47 kΩ
EXTERNAL, VCR, VDP	250 mV/15 kΩ
Output level	
EXTERNAL REC OUT	150 mV/1.5 kΩ
Frequency response	
PHONO	30 Hz – 15 kHz / +1.5 to –2.0 dB
EXTERNAL, VCR, VDP	20 Hz – 40 kHz
■ DOLBY PRO LOGIC section	
PRO LOGIC mode	SURROUND, 3 STEREO
CENTER mode	NORMAL, WIDE, PHANTOM
DELAY TIME	15, 20, 25, 30 ms.
■ EQ, SFP section	
EQ SPACE mode	
3 modes	HALL, CLEAR, HEAVY
■ FM tuner section	
Frequency range	87.50 – 108.00 MHz (0.05 MHz steps)
Sensitivity	1.8 μV (IHF usable)
S/N 26 dB	1.5 μV
S/N	
MONO	70 dB (75 dB, IHF)
Stereo separation	
1 kHz	35 dB
Antenna terminal(s)	75 Ω (unbalance)

■ AM tuner section	
Frequency range	
[For (E) area]	
MW	522 – 1611 kHz (9 kHz steps) 530 – 1620 kHz (10 kHz steps)
LW	144 – 288 kHz (9 kHz steps)
[For (EG) and (GC) areas]	
AM	522 – 1611 kHz (9 kHz steps) 530 – 1620 kHz (10 kHz steps)
Sensitivity (S/N 20 dB)	
[For (E) area]	
MW	500 μV/m
LW	50 μV
[For (EG) and (GC) areas]	
AM	500 μV/m
■ Timer section	
Clock	Quartz-lock type
Function	24-hour programmable; Play timer (1 time), Rec timer (1 time), Sleep (120 min., 30 min. intervals)
Setting	1 minute – 23 hours 59 minutes (1 min. intervals)
■ General	
Dimensions (W × H × D)	270 × 89 × 274 mm
Weight	1.7 kg

Note:
Specifications are subject to change without notice.
Weight and dimensions are approximate.

Area	**System**	**Tuner/sound processor**	Compact disc player	Amplifier	Cassette deck	Right and left speakers	Surround speakers
(E) (EG)	**SC-CH730**	**ST-CH730**	SL-CH530	SE-CH730	RS-CH730	*1 SB-CH730	*1 SB-S730
(GC)						*2 SB-CH530A	—

*1 For (E) and (EG) areas .... Made in PAES
*2 For (GC) area .... Made in NABEL

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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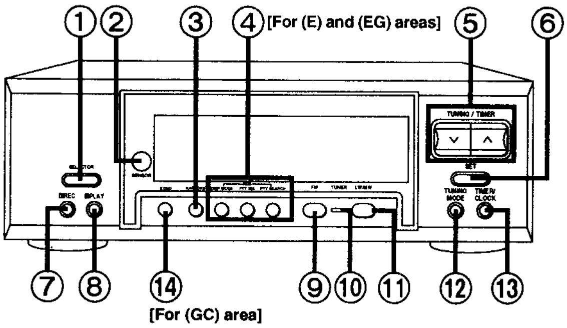
NOTE:
Refer to the service manual for Model No. SE-CH730 (ORDER No. AD9507173C3) for information on "Accessories", "Stacking the Components", "Connections" and "Packaging".

■ Location of Controls

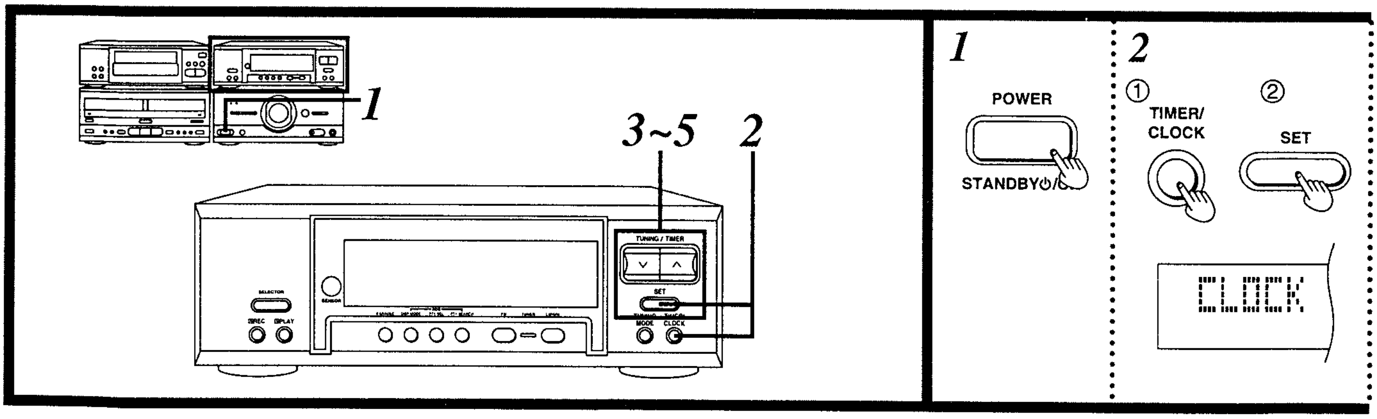


①②
③
④[For (E) and (EG) areas]
⑤
⑥
⑦ ⑧
⑭
[For (GC) area]
⑨⑩ ⑪
⑫ ⑬
TUNING / TIMER
SET

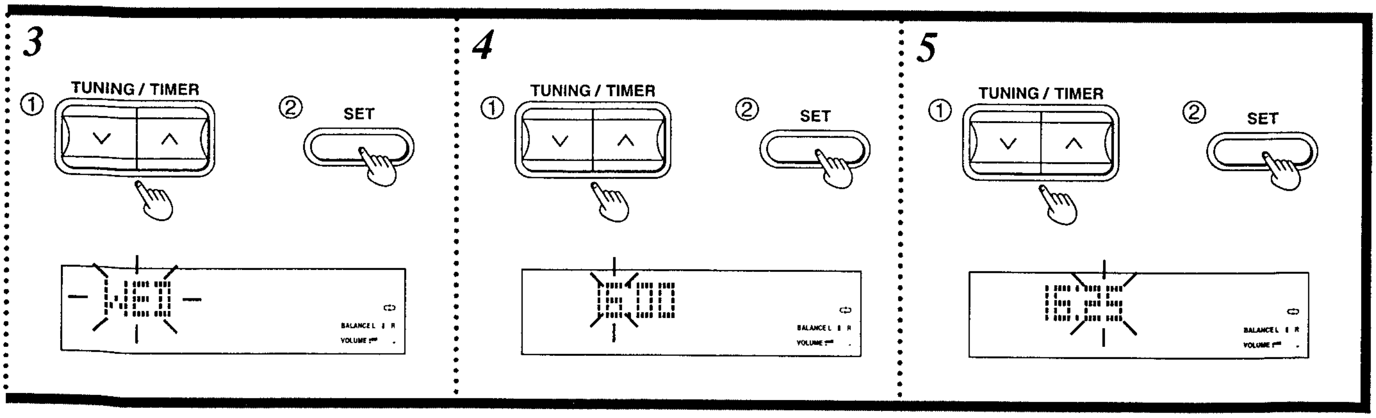
① Source input select button (SELECTOR)
② Remote control signal sensor (SENSOR)
③ Karaoke mode select button (KARAOKE)
④ RDS buttons (DISP MODE, PTY SEL, PTY SEARCH) ...for (E) and (EG) areas
⑤ Tuning/timer select button (TUNING/TIMER, ∧, ∨)
⑥ Set button (SET)
⑦ Record timer button (⌚ REC)
⑧ Play timer button (⌚ PLAY)
⑨ FM button (FM)
⑩ Tuner indicator (TUNER)
⑪ LW/MW select button (LW/MW) ...for (E) area
AM button ...for (EG) and (GC) areas
⑫ Tuning mode select button (TUNING MODE)
⑬ Timer/clock button (TIMER/CLOCK)
⑭ Echo button (ECHO) ...for (GC) area

■ Setting the Time

This is a 24-hours display clock.
These instructions explain how to set the timer for 16:25 (4:25 p.m.) on Wednesday.



1
3~5
2
TUNING / TIMER
SET
1
POWER
STANDBY⏻/
2
①
TIMER/
CLOCK
②
SET
CLOCK



3
① TUNING / TIMER
② SET
-WED-
4
① TUNING / TIMER
② SET
16:00
5
① TUNING / TIMER
② SET
16:25
BALANCE L R
VOLUME

1. **Switch on the power.**
2. **① Press TIMER/CLOCK to show "CLOCK".**
   Within 8 seconds:
   ② Press SET.
3. **① Press TUNING/TIMER ∨ or ∧ to select the day.**
   ② Press SET.
4. **① Press TUNING/TIMER ∨ or ∧ to select the hour.**
   ② Press SET.
5. **① Press TUNING/TIMER ∨ or ∧ to select the minutes.**
   ② Press SET to finish setting the time.

   The display will return to the previous display after about 3 seconds.

When "SUN 0:00" flashes:
It flashes when you connect the AC power supply cord for the first time or if there has been a power failure.
If this happens, reset the time.

If the minutes setting has gone wrong:
1. Press TIMER/CLOCK.
2. Press SET 3 times.
3. Press TUNING/TIMER ∨ or ∧ to set the minutes, and then press SET.

To display the clock again:
Press TIMER/CLOCK.
The clock display will appear for about 8 seconds.

■ Enjoying RDS Broadcast [For (E) and (EG) areas]

For extra tuning convenience, the SC-CH730 let you take advantage of the Radio Data System (RDS) in areas where RDS broadcast services are received. This advanced system simplifies operation and provides useful information, utilizing a 57 kHz subcarrier above the audible range, in addition to the main FM signal.

What is RDS (Radio Data System)?

RDS is a multiplex broadcasting system which adds a variety of message signals to the audio signals of FM broadcasts.
This system can utilize the following signals among the various RDS signals.

RDS messages used by this system:
- PS (Program service name): Name of the broadcast station
- PTY (Program type): Identification signal for program types such as news and sport

Note

"PTY" may not be available in some areas. (Future function)

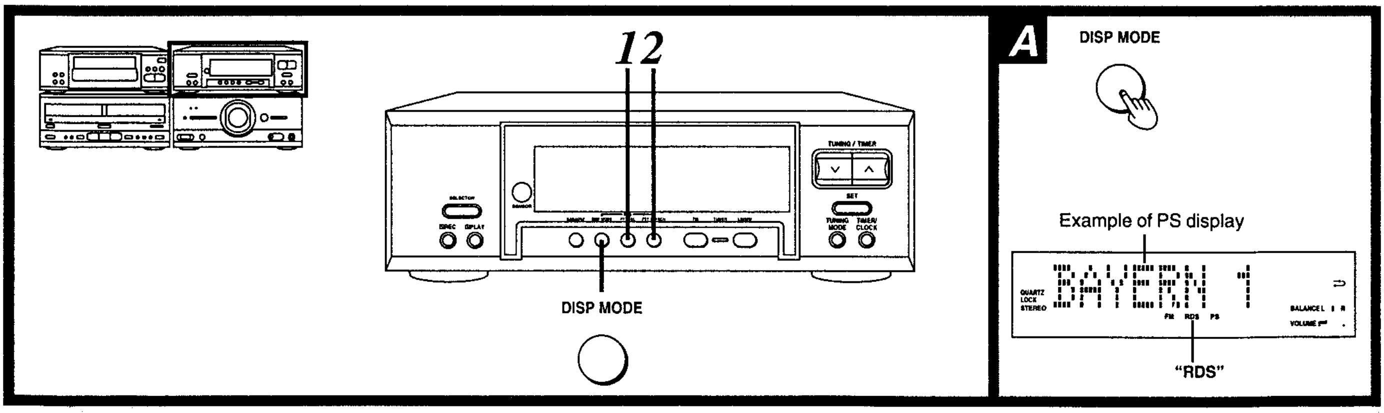
Functions of this system which use RDS

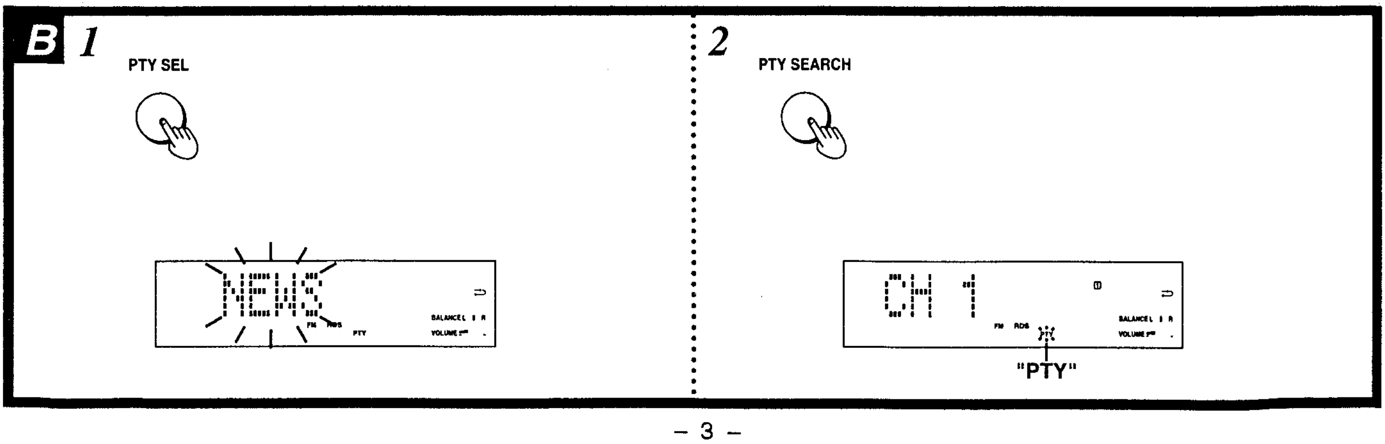
To display the name of a broadcast station (PS display):
When this system receives a PS signal in an RDS broadcast, the name of the broadcast station is shown on the display.

To search for a program of a particular type, such as news or sport (PTY search):
When you wish to listen to a particular type of program, a program of that type can be searched.
Furthermore, while the PTY signal is being received, the name of the type of program currently being broadcast can be shown on the display.

Note

Even if an FM broadcast station is transmitting RDS signals, the functions of this system may not be able to utilize these signals if the signal quality is too poor.





To display the name of a broadcasting station A

(When the FM station is received)

Press the DISP MODE.

If the FM broadcast being received provides the RDS service ("RDS" indicator will light), the name of the broadcast station and "PS" indicator will be shown on the display of this system.
Each time you press the button, the display will change as follows.

Frequency display→PS display→PTY display
↑________________________________|

Notes

- If the FM broadcast being received does not provide the RDS service, "NO RDS" will be displayed when PS display mode or PTY display mode is selected.
- If a PTY signal is not being received, "NO PTY" will be displayed when the PTY display mode is selected.

To listen to a program of a particular type, such as news or sport (PTY search) B

- The PTY search is carried out with respect to FM broadcast stations that have been preset into the memory. Make sure that "Memory Presetting" have been completed before carrying out a PTY search.
- Carry out this operation while tuning in an FM broadcast.

Note

"PTY" may not be available in some areas. (Future function)

1 **Press PTY SEL to select the desired program type.**
Each time you press this button, the PTY display will change in sequence.

Note

Approximately 8 seconds after the PTY display starts flashing, the display will return to the previous one.
To select a different PTY, or when proceeding to the following step 2, be sure to perform all operations while the PTY display is flashing.

2 **(While PTY display is flashing)**
Press PTY SEARCH.
The PTY search will begin. ("PTY" will flash on the display.)

When the desired type of program is located:

The type of program is displayed for approximately 5 seconds and the program will automatically change to the broadcast station that has just been located.
To search for a different broadcast station, press the PTY SEARCH once more while the type of program is displayed.

If the desired type of program is not found:

"NO PTY" will be displayed for approximately 5 seconds, and the program will return to the previous broadcast station.

Most-recent memory:

The most-recent memory system "remembers" the program type last selected in step 1 above when the unit was switched OFF. For example, if "SPORT" is selected and the system is turned OFF, when the PTY SEL is pressed again at step 1, "SPORT" will be displayed.

About the PTY display

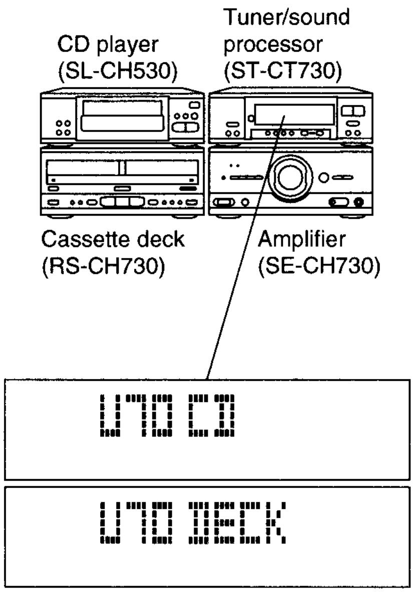
There are a total of 15 PTY displays on this unit. The display changes in order each time the PTY selector is pressed. The table shows the order in which the display changes, and also gives an explanation of each display.

Display	Explanation
NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical program expanding or enlarging upon the news, generally in different presentation style or concept, including documentary debate, or analysis.
INFO	Program whose purpose is to impart advice in the widest sense, including meteorological reports and forecasts, consumer affairs, medical help, etc.
SPORT	Program concerned with any aspect of sport.
EDUCATE	Program intended primarily to educate.
DRAMA	All radio plays and serials.
CULTURE	Programs concerned with any aspect of national or regional culture, including religious affairs, philosophy, social science, language, theatre, etc.
SCIENCE	Programs about the natural sciences and technology.
VARIED	Used for mainly speech-based programs, usually of a light-entertainment nature not covered by above categories. Examples are: quizzes, panel games, personality interviews, comedy and satire.
POP M	Commercial music which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
M.O.R. M	(Middle of the Road Music). Common term to describe music considered to be "easy-listening") as opposed to Pop, Rock or Classical. Music in this category is often, but not always, vocal, and usually of short duration (<5 min.).
LIGHT M	Classical Musical for general, rather than specialist, appreciation. Examples of music in this category are instrumental music and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the above categories. Particularly used for specialist music, of which Jazz, Rhythm & Blues, Folk, Country, and Reggae are examples.

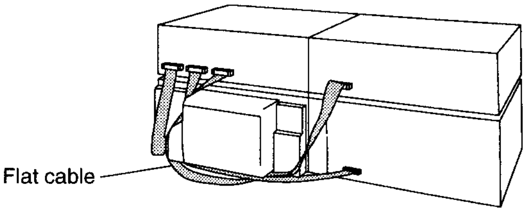
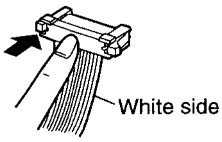
After "OTHER M" is displayed, the display returns to "NEWS".

■About the Self-Diagnostic Mode

This unit is equipped with a self-diagnostic function which, in the event of a malfunction, automatically displays a code indicating the nature of the malfunction. Use this self-diagnostic function when servicing the unit.

Display method	Display location
To display the malfunction code U-70 CD: U-70 DECK: ... Automatically displays on the tuner/sound processor when a malfunction occurs. F-61 .... Automatically displays on the tuner/sound processor when a malfunction occurs. **To return to the normal display** **1. For U-70 CD/U-70 DECK:** ● Press an any operation button on the tuner/sound processor. ● To re-display the code, switch the power off (POWER STANDBY button), and then switch power back on again. **2. For F-61:** ● If "F-61" is displayed, the power will automatically be switched off and the standby indicator will light up. ● "F-61" will be displayed for 3 seconds, and then the clock will be displayed. ● To re-display the code, switch the power on. "F-61" will be re-displayed, and then after 3 seconds the clock will be displayed and the power will automatically switch off.	 CD player (SL-CH530) Tuner/sound processor (ST-CT730) Cassette deck (RS-CH730) Amplifier (SE-CH730) U70 CD U70 DECK

Display contents

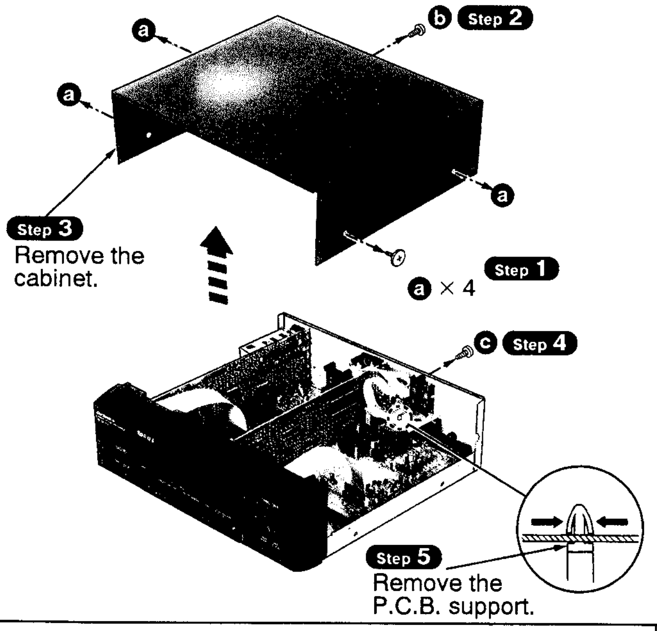
Display code	Problem or condition	Correction procedure
U-70 CD **U-70 DECK** (displayed automatically)	A bus-line communications error has occurred as a result of the flat cables being inserted incorrectly, thus preventing the system from operating. 1. If "U-70" is displayed on the tuner/sound processor, the tape deck or CD player cannot be operated by remote control.	 1. To check for correct insertion of the flat cables ①Match each connector with the color (black/white) of the connection port and insert until you hear a click. ②Insert the flat cables at the back of the unit in the order indicated. Make sure the white side of the cable is on your right side.  2. Breakage of flat cable (Check and replace as necessary.) 3. If the problem is not corrected by items (1.) and (2.) above, this indicates a faulty IC. **ST-CH730:** IC901 (M38197MA118F) **SL-CH530:** IC403 (LC66356B4F53) **RS-CH730:** IC701 (M37471M4264F) Check these IC's and replace as necessary.
F-61	When the power switch is switched on, it automatically switches back off, making it impossible to switch power on.	● Faulty amplifier (SE-CH730) output IC (IC501). (When a DC voltage is applied to the speaker terminals.)

Operation Check and Main Component Replacement Procedures

NOTE

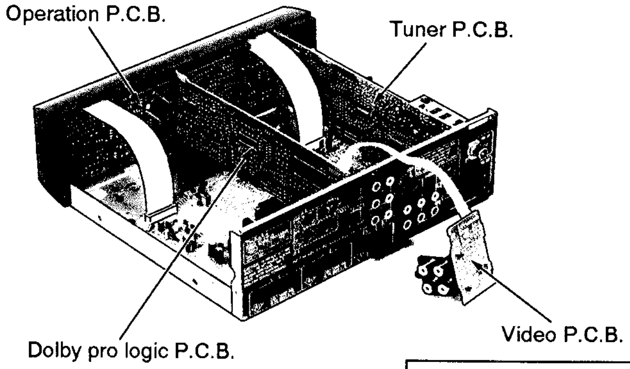
1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Illustrated screws are equivalent to actual size.

1. Checking for the tuner P.C.B., dolby pro logic P.C.B., operation P.C.B. and video jack P.C.B.

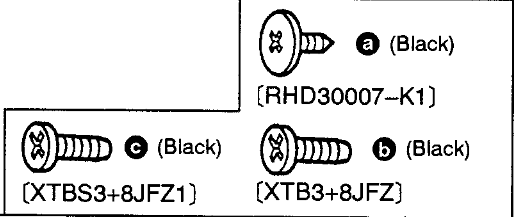


Step 1 ⓐ × 4
Step 2 ⓑ
Step 3 Remove the cabinet.
Step 4 ⓒ
Step 5 Remove the P.C.B. support.
ⓐ

- Check the tuner P.C.B., dolby pro logic P.C.B., operation P.C.B. and video jack P.C.B. as shown below.

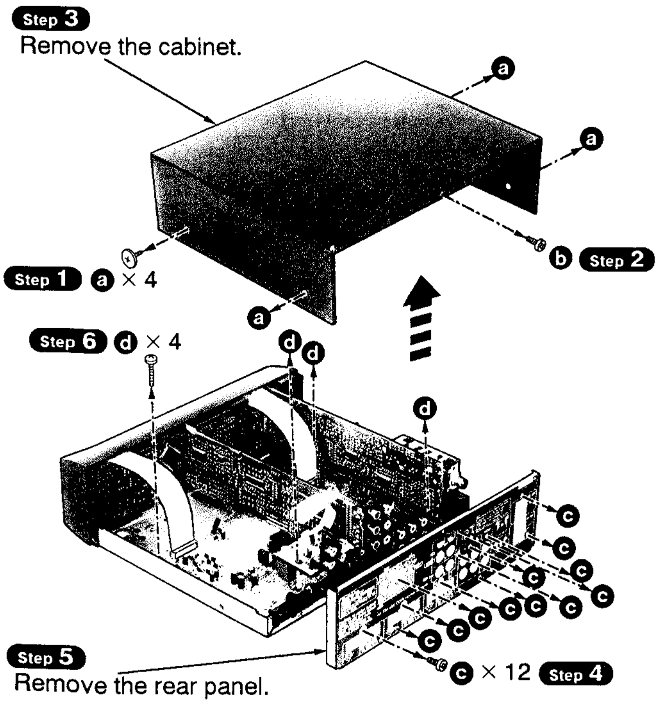


Operation P.C.B.
Tuner P.C.B.
Dolby pro logic P.C.B.
Video P.C.B.



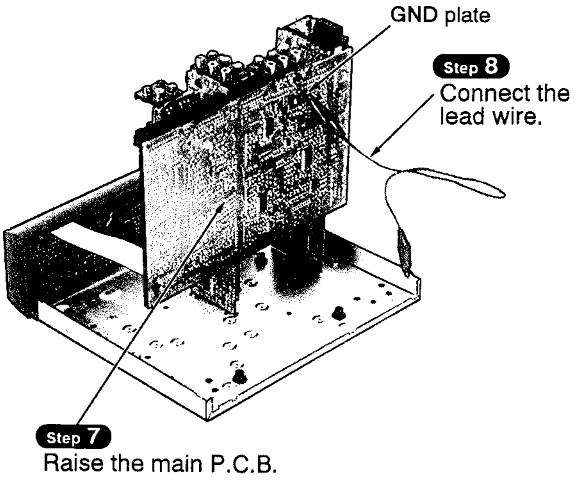
ⓐ (Black)
[RHD30007–K1]
ⓒ (Black)
[XTBS3+8JFZ1]
ⓑ (Black)
[XTB3+8JFZ]

2. Checking for the main P.C.B.

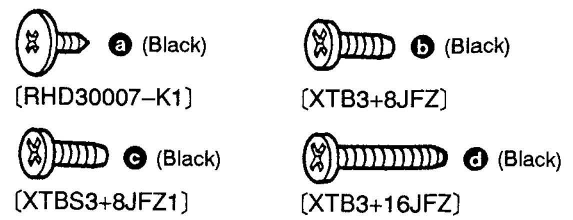


Step 3 Remove the cabinet.
Step 1 ⓐ × 4
Step 2 ⓑ
Step 6 ⓓ × 4
Step 4 ⓒ × 12
Step 5 Remove the rear panel.
ⓐ
ⓓ
ⓒ

- Check the main P.C.B. as shown below.



GND plate
Step 8 Connect the lead wire.
Step 7 Raise the main P.C.B.



ⓐ (Black)
[RHD30007–K1]
ⓑ (Black)
[XTB3+8JFZ]
ⓒ (Black)
[XTBS3+8JFZ1]
ⓓ (Black)
[XTB3+16JFZ]

■ To Supply Power Source

**This unit ST-CH730 is designed to operate on power supplied from the Amplifier SE-CH730.
When operating the unit ST-CH730 alone for testing and servicing, without having power supplied from the Amplifier SE-CH730, use the following method.**

Power Supply to Main Circuit

1. Short the section between the test points TP602 and TP610, and as well as the section between the test points A. GND (J611) and TP610.
2. Connect the 3V AC power to pin 1 of the indicator module FL901 and the GND terminal to pin 57 of the same FL901 module.
3. Apply 11 V AC power to the section between the point TP601 (AC) and the point TP602 (CT) as well as the section between the point TP603 (AC) and the point TP602 (CT). This unit comes to stand-by mode.
4. Short the section between the jumper **J315** TP611 and the point D.GND of the jumper **J608** TP610 for a moment. The main circuit comes to power ON mode. (Whenever this operation is performed, power, ON/OFF mode is repeated.)

Power Supply to Tuner Circuit

1. Apply power source to the main circuit.
2. Connect the DC +12 V terminal to the jumper **J610** TP608, and the GND terminal to both the point T.GND of the jumper **J609** TP609 and the point D.GND of the jumper **J608** TP610 using the DC power supply tool.

Note: If the GND terminal of the DC power supply tool is connected to the point D.GND of the jumper **J608** TP610, an error occurs in measurement values for voltage and waveform.

To Check Signals

Connect the oscilloscope or the speaker with the built-in amplifier to the EXTERNAL (OUT) terminals and check if the signals are outputting from this unit.

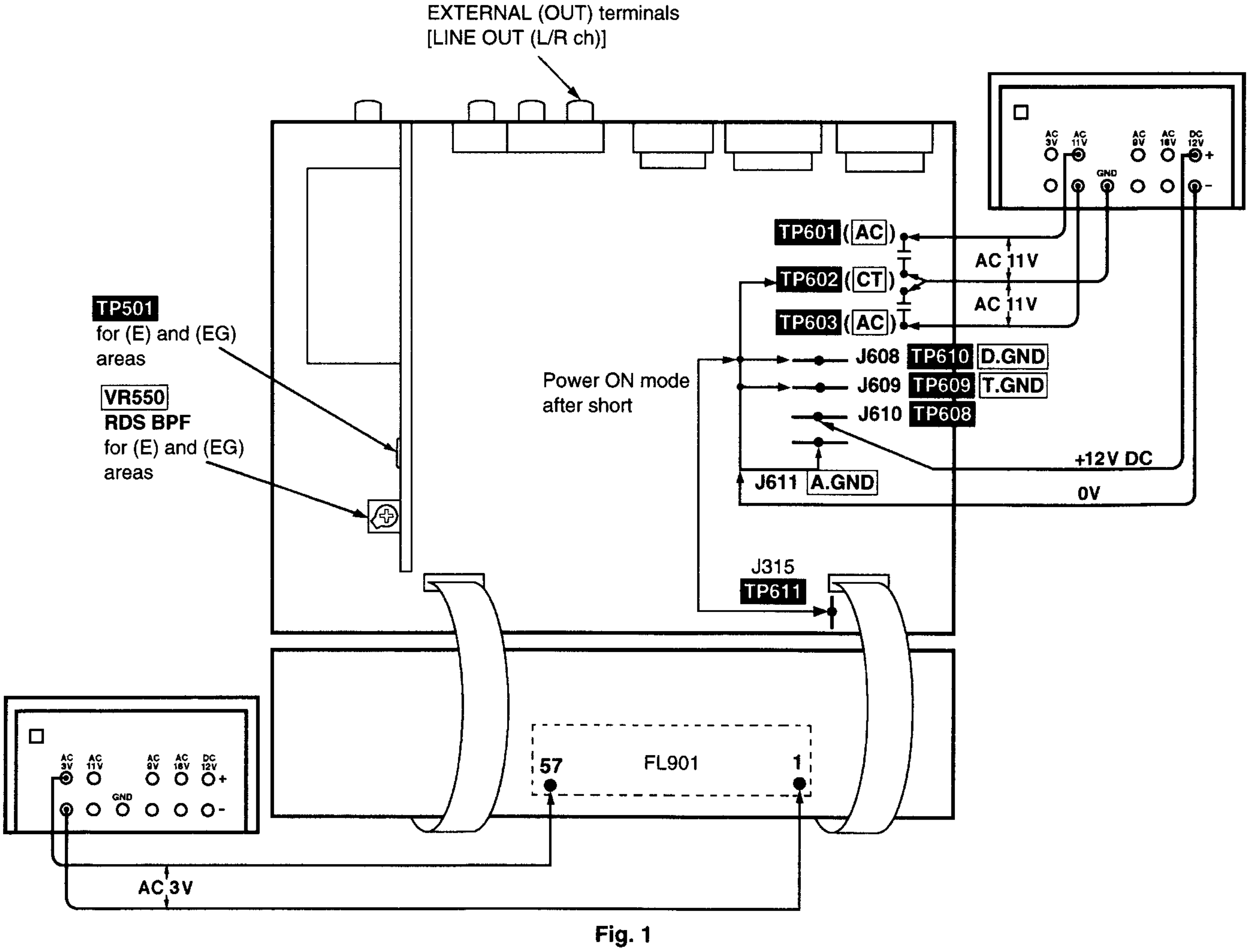

EXTERNAL (OUT) terminals
[LINE OUT (L/R ch)]
AC 3V
AC 11V
AC 6V
AC 16V
DC 12V
GND
+
-
TP601 (AC)
TP602 (CT)
TP603 (AC)
AC 11V
AC 11V
TP501
for (E) and (EG) areas
VR550
RDS BPF
for (E) and (EG) areas
Power ON mode after short
J608 TP610 D.GND
J609 TP609 T.GND
J610 TP608
J611 A.GND
+12V DC
0V
J315
TP611
57
FL901
1
AC 3V

Fig. 1

Measurements and Adjustments [For (E) and (EG) areas]

Measuring Instruments and Special Tools

- FM signal generator (FM-SG)
- RDS modulator
- AC electronic voltmeter (AC EVM) *
  (* Min. 0.3 mV measurable)
- 75 Ω coaxial cable

RDS (Radio Data System) BPF Adjustment

1. Test equipment connection is shown in Fig. 2.
2. Set the unit to "**FM**" mode.
3. Set the radio frequency display and signal generator to **100.10 MHz**.
4. Adjust **VR550** so that the TP501 output is maximized.

FM Signal Generator Condition

Modulation	100%
Modulation frequency	1 kHz
RDS modulation	2.7%
Output level	60 dB

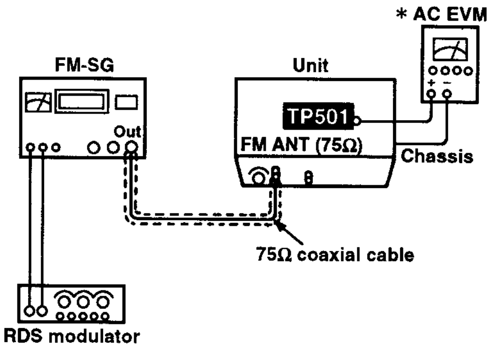


Fig. 2

Note: * Use the voltmeter measurable up to 0.3 mV at the minimum.

How to make simple adjustment without using a RDS modulator

1. Tuner into a FM broadcast with a RDS signal transmitted from a FM station whose electric field intensity is more than 50 dB.
2. Adjust **VR550** so that the TP501 output is maximized.

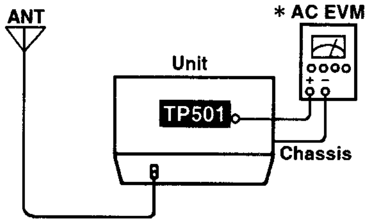


Fig. 3

• What is RDS (Radio Data System)?

RDS is a multiplex broadcasting system which adds a variety of message signal to the audio signals of FM broadcasts.
This unit can utilize the following signals among the various RDS signals.

RDS messages used by this unit

- **PS** (Program service name)
  Name of the broadcast station
- **PTY** (Program type)
  Identification signal for program types such as news and sport

Note

"PTY" may not be available in some areas.

■Schematic Diagram

Page

A TUNER CIRCUIT For (E) area .... 10 ~ 12

A TUNER CIRCUIT For (EG) area .... 13 ~ 15

A TUNER CIRCUIT For (GC) area .... 16 ~ 17

B OPERATION CIRCUIT 18, 19

C MAIN CIRCUIT 20, 24

D DOLBY PROLOGIC CIRCUIT For (E) and (EG) areas .... 25 ~ 27

- This schematic diagram may be modified at any time with the development of new technology.

Notes:

- **S901**: FM switch (FM)
- **S902**: LW/MW select switch (LW/MW)...**for (E) area**
  AM switch (AM)...**for (EG) and (GC) areas**
- **S903**: Tuning mode select switch (TUNING MODE)
- **S904**: Timer/clock switch (TIMER/CLOCK)
- **S905**: Set switch (SET)
- **S906**: Tuning/timer select switch (TUNING/TIMER ∨)
- **S907**: Tuning/timer select switch (TUNING/ TIMER ∧)
- **S911**: PTY search switch (PTY SEARCH)...**for (E) and (EG) areas**
- **S912**: PTY selector switch (PTY SEL)...**for (E) and (EG) areas**
- **S913**: Display mode selector switch (DISP MODE)...**for (E) and (EG) areas**
- **S914**: Echo switch (ECHO)...**for (GC) area**
- **S915**: Karaoke mode select switch (KARAOKE)
- **S916**: Play timer switch (◷ PLAY)
- **S917**: Record timer switch (◷ REC)
- **S918**: Source input select switch (SELECTOR)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

- Voltage values and waveforms are measured as indicated in the schematic diagram when test points between **TP602** and **TP610**, and between **TP610** and **A.GND** are shorted.

No mark : FM mode   (   ) : AM (MW) mode   <   > : AM (LW) mode

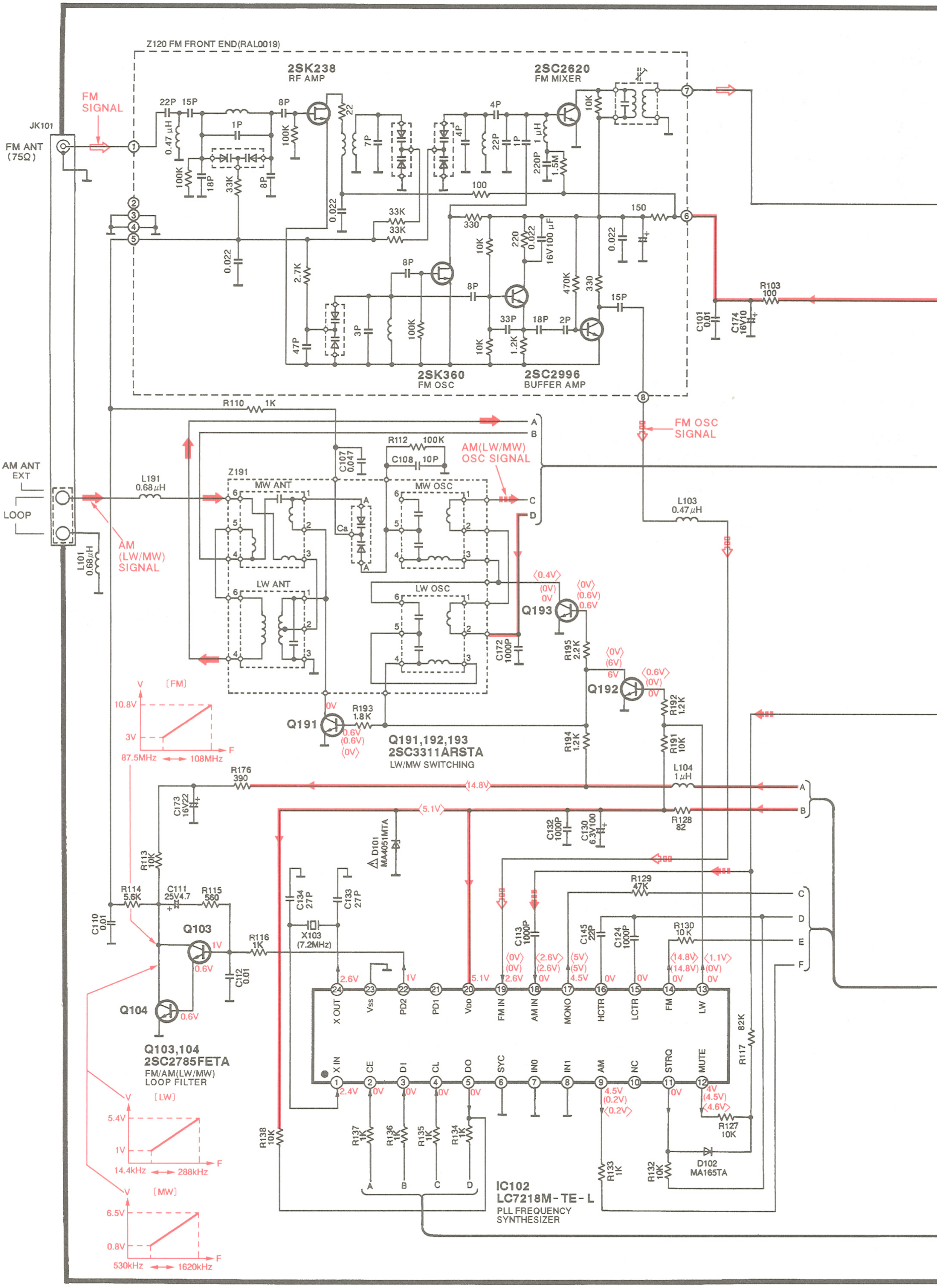
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.

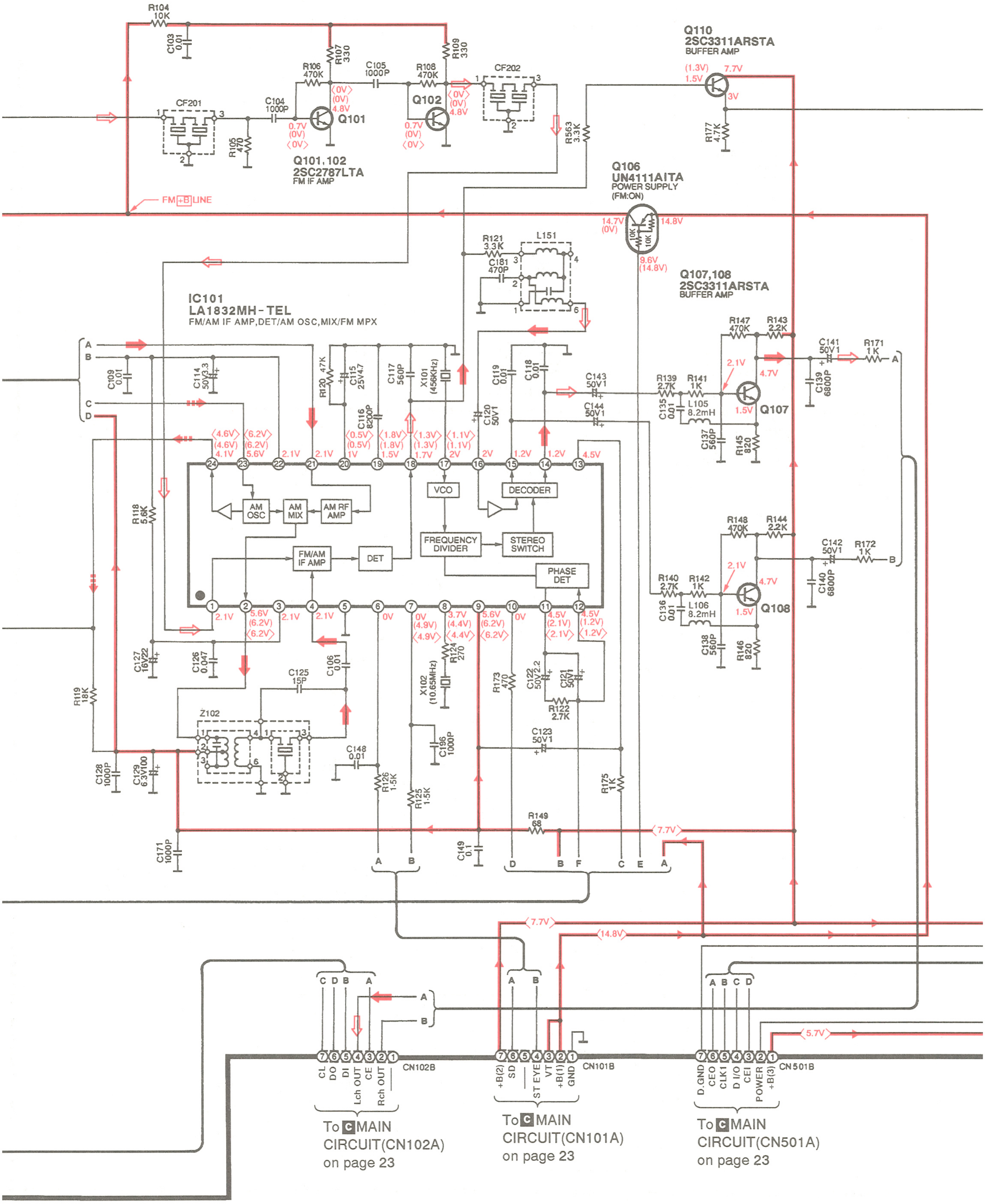
- **Voltage and signal line**

━━▶━━ : Positive voltage line
⇨ : FM signal line
➡ : AM (LW/MW) signal line
▨⇨ : REC OUT signal line
⇨ : Center speaker drive signal line
▪▪▪⇨ : Surround speaker drive signal line
╍╍▶╍╍ : Negative voltage line
□□□⇨ : FM OSC signal line
■■■➡ : AM (LW/MW) OSC signal line
▧⇨ : MIC signal line

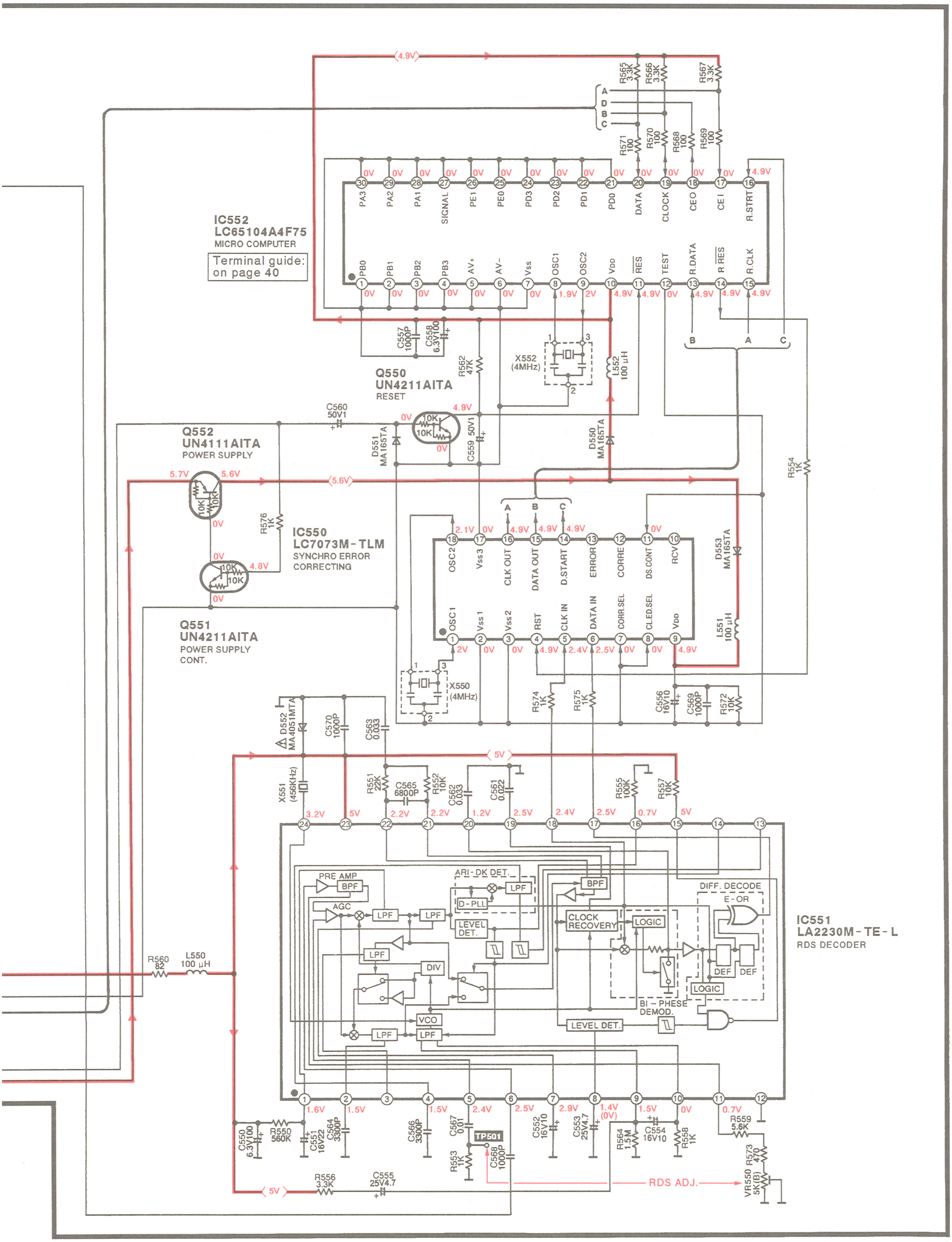
A TUNER CIRCUIT For 〔E〕 area. (P.C. Board: on page 28)


Z120 FM FRONT END(RAL0019)
2SK238
RF AMP
2SC2620
FM MIXER
FM SIGNAL
JK101
FM ANT
(75Ω)
22P
15P
1P
8P
0.47 μH
100K
18P
33K
8P
100K
22
7P
4P
22P
1P
1 μH
220P
1.5M
10K
4P
100
0.022
33K
33K
330
220
0.022
16V100 μF
150
0.022
10K
2.7K
8P
8P
470K
330
15P
47P
3P
100K
33P
18P
2P
10K
1.2K
2SK360
FM OSC
2SC2996
BUFFER AMP
R103
100
C101
0.01
C174
16V10
R110
1K
FM OSC SIGNAL
R112
100K
C107
0.047
C108
10P
AM(LW/MW) OSC SIGNAL
AM ANT
EXT
LOOP
L191
0.68μH
Z191
MW ANT
MW OSC
Ca
LW ANT
LW OSC
L101
0.68μH
AM (LW/MW) SIGNAL
L103
0.47μH
〈0.4V〉
(0V)
0V
〈0V〉
(0.6V)
0.6V
Q193
C172
1000P
R195
2.2K
〈0V〉
(6V)
6V
〈0.6V〉
(0V)
0V
Q192
R192
1.2K
Q191
0V
R193
1.8K
0.6V
(0.6V)
〈0V〉
Q191,192,193
2SC3311ARSTA
LW/MW SWITCHING
R194
1.2K
R191
10K
L104
1μH
V 〔FM〕
10.8V
3V
F
87.5MHz
108MHz
R176
390
〈14.8V〉
C173
16V22
〈5.1V〉
D101
MA4051MTA
C132
1000P
C130
6.3V100
R128
82
A
B
C
D
E
F
R113
10K
R114
5.6K
C111
25V4.7
R115
560
C110
0.01
Q103
1V
0.6V
R116
1K
C134
27P
C133
27P
X103
(7.2MHz)
C112
0.01
Q104
0.6V
Q103,104
2SC2785FETA
FM/AM(LW/MW)
LOOP FILTER
V 〔LW〕
5.4V
1V
F
14.4kHz
288kHz
V 〔MW〕
6.5V
0.8V
F
530kHz
1620kHz
R129
47K
C113
1000P
C145
22P
C124
1000P
R130
10K
2.6V
1V
5.1V
〈0V〉
(0V)
2.6V
〈2.6V〉
(2.6V)
0V
〈5V〉
(5V)
4.5V
0V
0V
〈14.8V〉
(14.8V)
0V
〈1.1V〉
(0V)
0V
24 X OUT
23 Vss
22 PD2
21 PD1
20 VDD
19 FM IN
18 AM IN
17 MONO
16 HCTR
15 LCTR
14 FM
13 LW
1 X IN
2 CE
3 DI
4 CL
5 DO
6 SYC
7 INO
8 IN1
9 AM
10 NC
11 STRQ
12 MUTE
R117
82K
2.4V
0V
0V
0V
0V
4.5V
(0.2V)
〈0.2V〉
0V
4V
(4.5V)
〈4.6V〉
R127
10K
R138
10K
R137
1K
R136
1K
R135
1K
R134
1K
R133
1K
R132
10K
D102
MA165TA
IC102
LC7218M-TE-L
PLL FREQUENCY
SYNTHESIZER

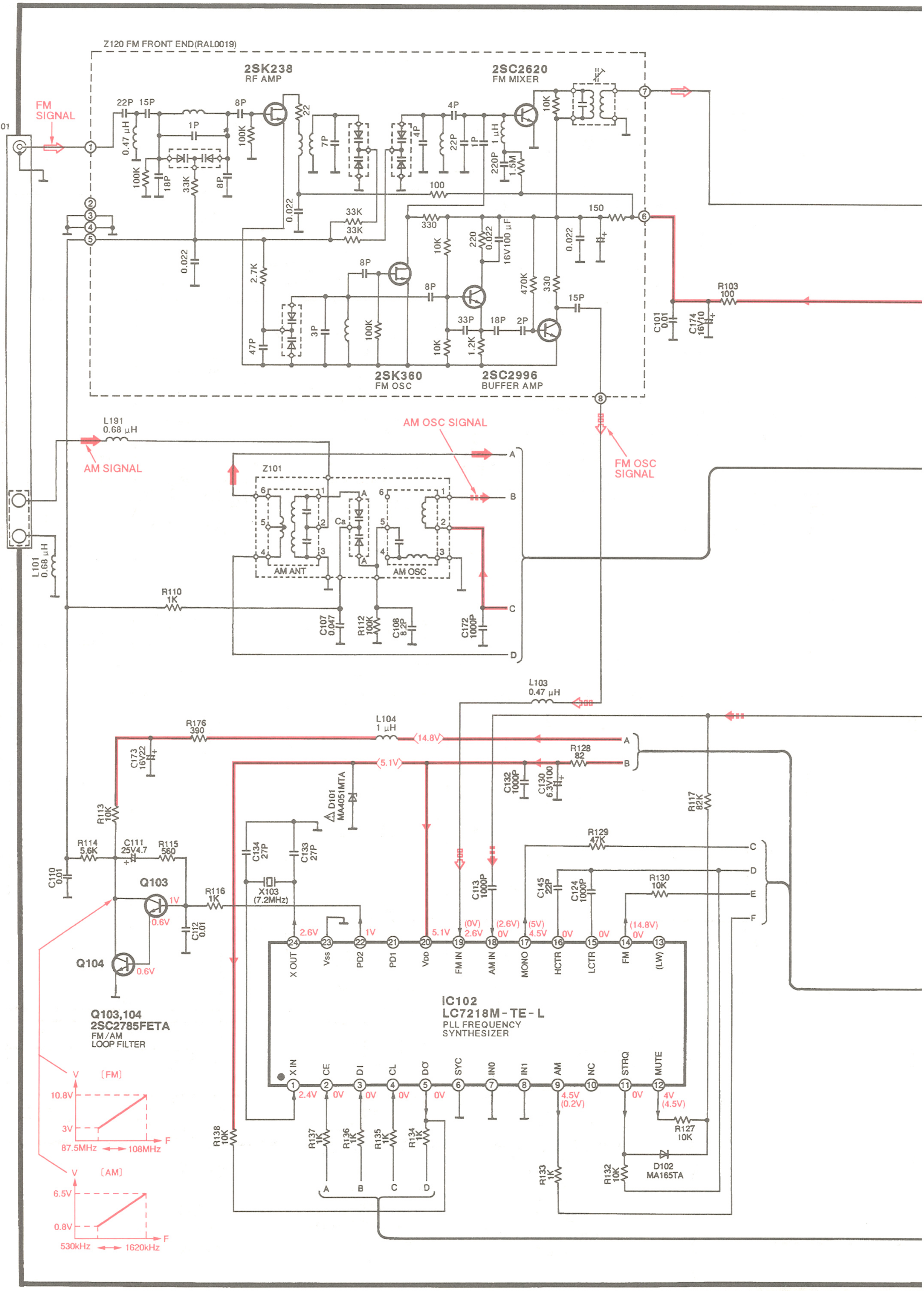
: Positive voltage line
: AM (LW/MW) signal line
: FM signal line
: AM (LW/MW) OSC signal line
: FM OSC signal line

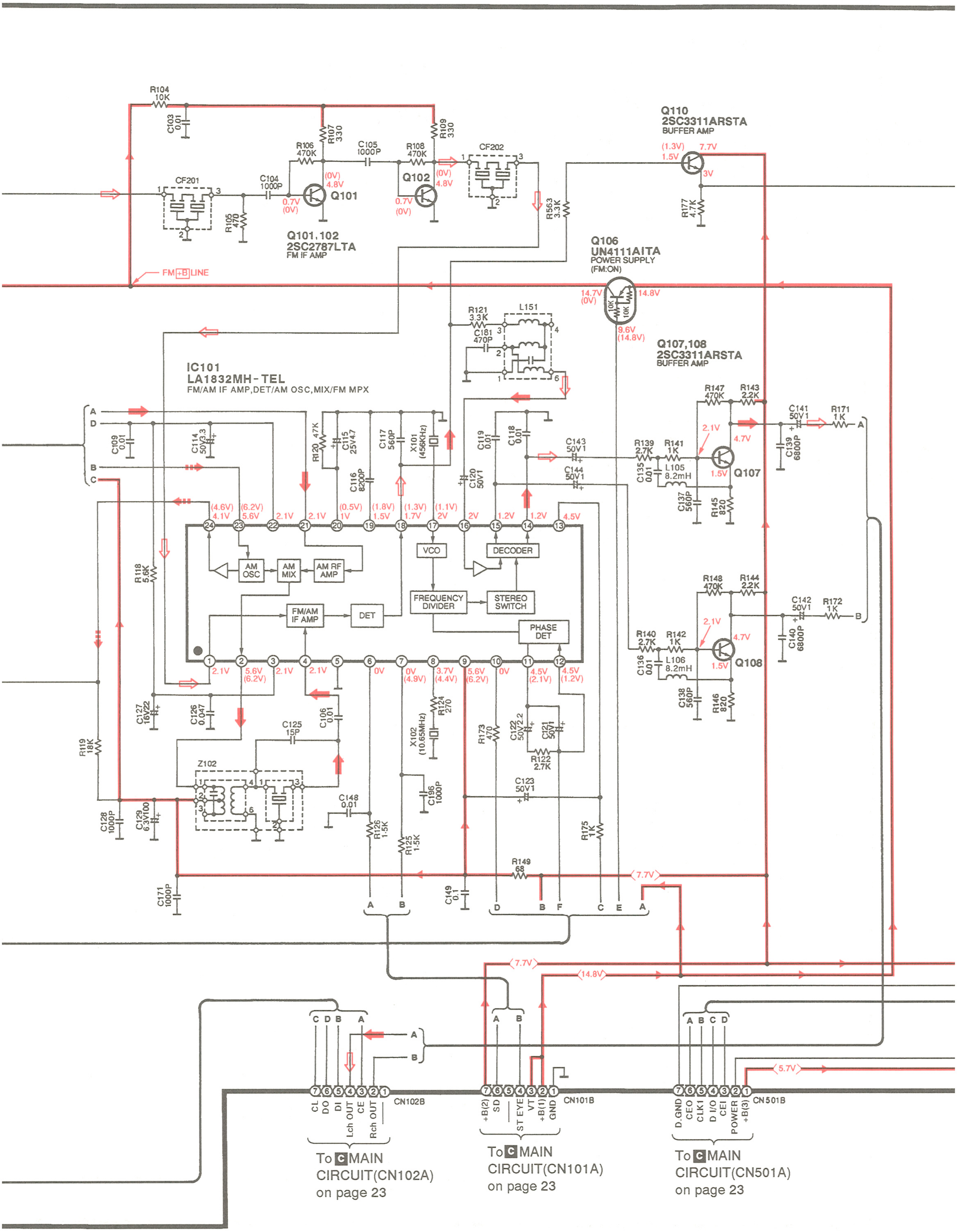

R104 10K
C103 0.01
R107 330
R109 330
R106 470K
C105 1000P
R108 470K
CF202
CF201
C104 1000P
R105 470
Q101
Q102
Q101,102 2SC2787LTA FM IF AMP
Q110 2SC3311ARSTA BUFFER AMP
R563 3.3K
R177 4.7K
FM+B LINE
Q106 UN4111AITA POWER SUPPLY (FM:ON)
14.7V (0V)
14.8V
9.6V (14.8V)
R121 3.3K
L151
C181 470P
IC101 LA1832MH-TEL
FM/AM IF AMP,DET/AM OSC,MIX/FM MPX
Q107,108 2SC3311ARSTA BUFFER AMP
C109 0.01
C114 50V3.3
R120 47K
C115 25V4.7
C116 8200P
C117 560P
X101 (456KHz)
C119 0.01
C118 0.01
C120 50V1
C143 50V1
C144 50V1
R147 470K
R143 2.2K
C141 50V1
R171 1K
R139 2.7K
R141 1K
C135 0.01
L105 8.2mH
C137 560P
R145 820
C139 6800P
Q107
VCO
DECODER
AM OSC
AM MIX
AM RF AMP
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET
R148 470K
R144 2.2K
C142 50V1
R172 1K
R140 2.7K
R142 1K
C136 0.01
L106 8.2mH
C138 560P
R146 820
C140 6800P
Q108
R118 5.6K
R119 18K
C127 16V22
C126 0.047
C106 0.01
C125 15P
Z102
C128 1000P
C129 6.3V100
C148 0.01
R126 1.5K
R125 1.5K
X102 (10.65MHz)
R124 270
C196 1000P
R173 470
C122 50V2.2
C121 50V1
R122 2.7K
C123 50V1
R175 1K
R149 68
C149 0.1
C171 1000P
(7.7V)
(14.8V)
(5.7V)
CN102B
CL DO DI Lch OUT CE Rch OUT
To C MAIN CIRCUIT(CN102A) on page 23
CN101B
+B(2) SD ST EYE VT +B(1) GND
To C MAIN CIRCUIT(CN101A) on page 23
CN501B
D.GND CEO CLK1 D I/O CEI POWER +B(3)
To C MAIN CIRCUIT(CN501A) on page 23

→ Positive voltage line ⇨ : FM signal line ▭▭▭⇨ : FM OSC signal line
➡ AM (LW/MW) signal line ■■■➡ : AM (LW/MW) OSC signal line


IC552
LC65104A4F75
MICRO COMPUTER
Terminal guide: on page 40
PA3
PA2
PA1
SIGNAL
PE1
PE0
PD3
PD2
PD1
PD0
DATA
CLOCK
CEO
CE I
R.STRT
PB0
PB1
PB2
PB3
AV+
AV−
Vss
OSC1
OSC2
VDD
RES
TEST
R.DATA
R RES
R.CLK
4.9V
0V
1.9V
2V
R565 3.3K
R566 3.3K
R567 3.3K
R571 100
R570 100
R568 100
R569 100
A
D
B
C
C557 1000P
C558 6.3V100
R562 47K
X552 (4MHz)
L552 100 μH
Q550
UN4211AITA
RESET
C560 50V1
C559 50V1
D551 MA165TA
D550 MA165TA
10K
Q552
UN4111AITA
POWER SUPPLY
5.7V
5.6V
R576 1K
4.8V
Q551
UN4211AITA
POWER SUPPLY CONT.
IC550
LC7073M-TLM
SYNCHRO ERROR CORRECTING
OSC2
Vss3
CLK OUT
DATA OUT
D.START
ERROR
CORRE
DS.CONT
RCV
OSC1
Vss1
Vss2
RST
CLK IN
DATA IN
CORR.SEL
CLED.SEL
VDD
2.1V
2.4V
2.5V
X550 (4MHz)
R574 1K
R575 1K
C556 16V10
C569 1000P
R572 10K
R554 1K
D553 MA165TA
L551 100 μH
D552 MA4051MTA
C570 1000P
C563 0.033
X551 (456KHz)
5V
R551 22K
C565 6800P
R552 10K
C562 0.033
C561 0.022
R555 100K
R557 10K
3.2V
2.2V
1.2V
0.7V
IC551
LA2230M-TE-L
RDS DECODER
PRE AMP
BPF
AGC
LPF
ARI-DK DET.
D-PLL
LEVEL DET.
DIV
VCO
CLOCK RECOVERY
LOGIC
DIFF. DECODE
E-OR
DEF
BI-PHESE DEMOD.
LEVEL DET.
R560 82
L550 100 μH
1.6V
1.5V
2.9V
1.4V (0V)
C550 6.3V100
R550 560K
C551 16V22
C564 3300P
C566 3300P
C567 0.01
TP501
R553 1K
C568 1000P
C552 16V10
C553 25V4.7
R564 1.5M
C554 16V10
R558 1K
R559 5.6K
R573 470
VR550 5K(B)
RDS ADJ.
R556 3.3K
C555 25V4.7

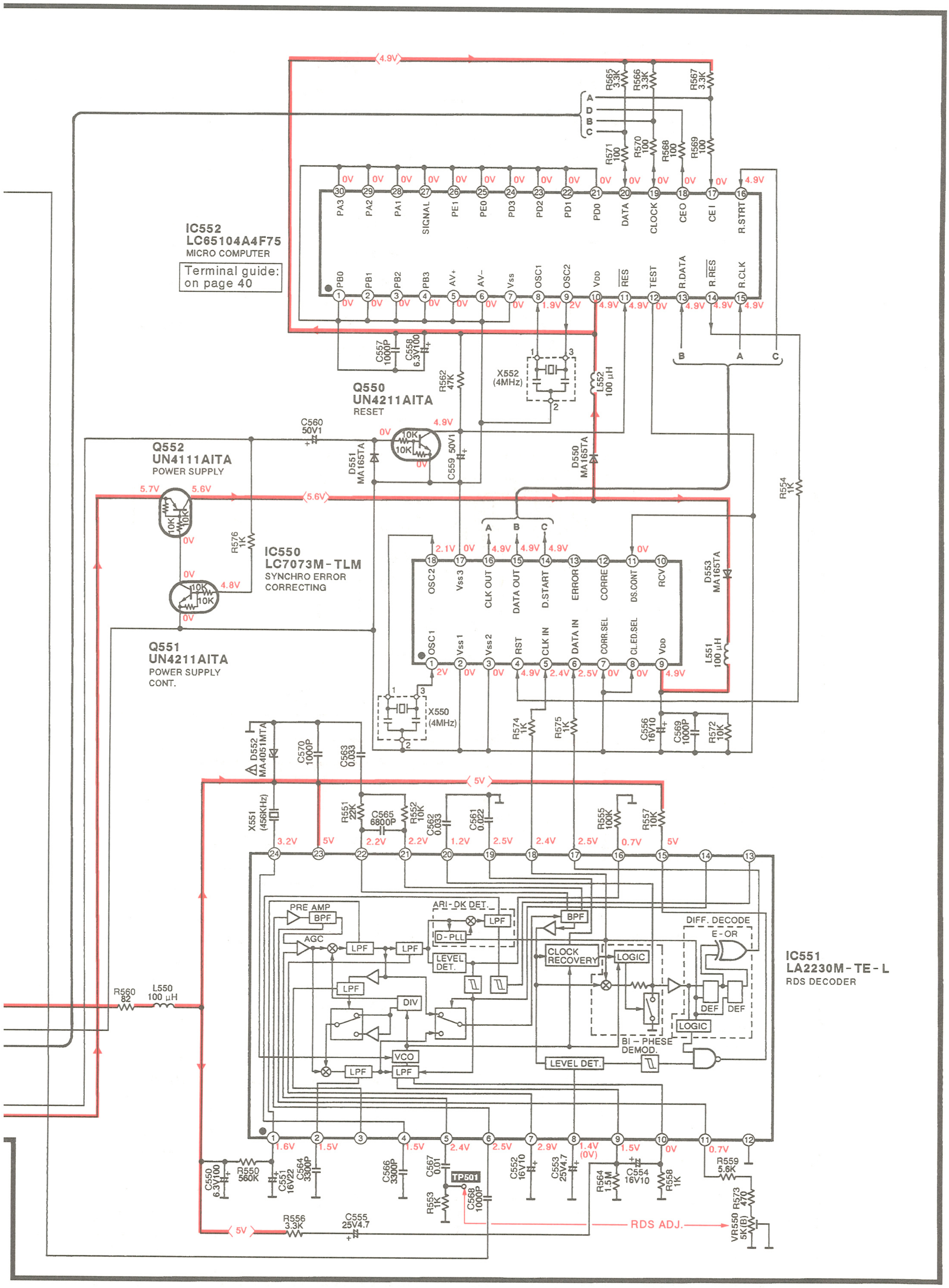
A TUNER CIRCUIT For〔EG〕area. (P.C. Board: on page 28)


Z120 FM FRONT END(RAL0019)
2SK238
RF AMP
2SC2620
FM MIXER
FM SIGNAL
JK101
FM ANT
(75Ω)
22P
15P
8P
0.47 µH
1P
100K
18P
33K
8P
22
7P
4P
22P
1P
1 µH
220P
1.5M
10K
100
0.022
33K
33K
330
150
10K
220
0.022
100 µF
16V
0.022
2.7K
8P
8P
470K
330
15P
R103
100
47P
3P
100K
10K
1.2K
33P
18P
2P
C101
0.01
C174
16V10
2SK360
FM OSC
2SC2996
BUFFER AMP
L191
0.68 µH
AM SIGNAL
AM OSC SIGNAL
FM OSC SIGNAL
AM ANT
EXT
LOOP
Z101
AM ANT
Ca
AM OSC
L101
0.68 µH
R110
1K
C107
0.047
R112
100K
C108
8.2P
C172
1000P
A
B
C
D
L103
0.47 µH
R176
390
L104
1 µH
(14.8V)
(5.1V)
R128
82
C173
16V22
D101
MA4051MTA
C132
1000P
C130
6.3V100
R117
82K
R113
10K
R114
5.6K
C111
25V4.7
R115
560
R129
47K
C110
0.01
Q103
C134
27P
C133
27P
X103
(7.2MHz)
R116
1K
C113
1000P
C145
22P
C124
1000P
R130
10K
1V
0.6V
C112
0.01
2.6V
1V
5.1V
(0V)
2.6V
(2.6V)
0V
(5V)
4.5V
0V
0V
(14.8V)
0V
Q104
0.6V
X OUT
Vss
PD2
PD1
VDD
FM IN
AM IN
MONO
HCTR
LCTR
FM
(LW)
Q103,104
2SC2785FETA
FM/AM
LOOP FILTER
IC102
LC7218M-TE-L
PLL FREQUENCY
SYNTHESIZER
X IN
CE
DI
CL
DO
SYC
IN0
IN1
AM
NC
STRQ
MUTE
2.4V
0V
0V
0V
0V
4.5V
(0.2V)
0V
4V
(4.5V)
R127
10K
R138
10K
R137
1K
R136
1K
R135
1K
R134
1K
R133
1K
R132
10K
D102
MA165TA
V
〔FM〕
10.8V
3V
F
87.5MHz
108MHz
V
〔AM〕
6.5V
0.8V
F
530kHz
1620kHz

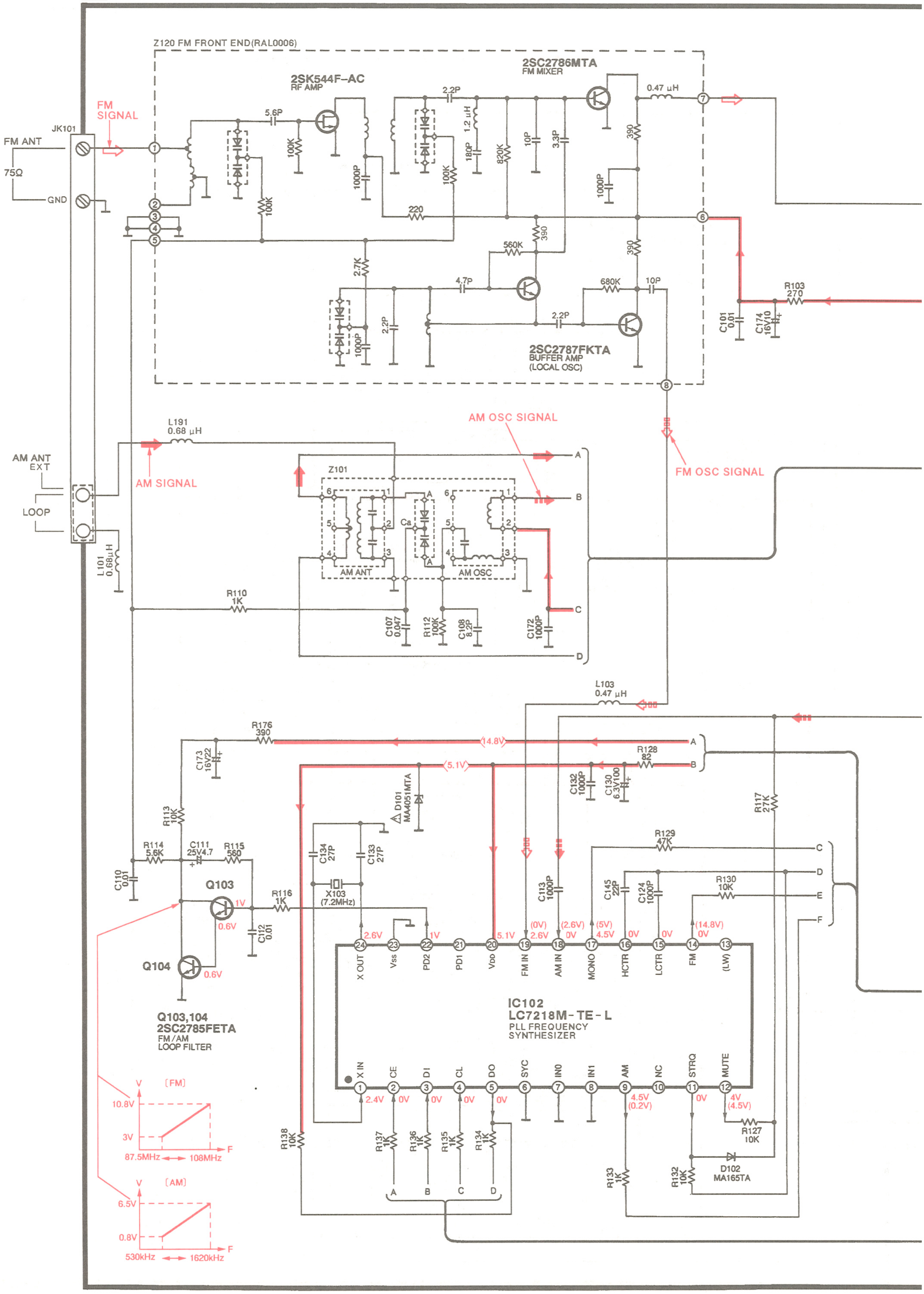

R104
10K
C103
0.01
R107
330
R109
330
R106
470K
C105
1000P
R108
470K
CF202
CF201
C104
1000P
(0V)
4.8V
0.7V
(0V)
Q101
Q102
R105
470
Q101,102
2SC2787LTA
FM IF AMP
FM +B LINE
R563
3.3K
Q110
2SC3311ARSTA
BUFFER AMP
(1.3V)
1.5V
7.7V
3V
R177
4.7K
Q106
UN4111AITA
POWER SUPPLY
(FM:ON)
14.7V
(0V)
14.8V
10K
10K
9.6V
(14.8V)
R121
3.3K
L151
C181
470P
Q107,108
2SC3311ARSTA
BUFFER AMP
IC101
LA1832MH-TEL
FM/AM IF AMP,DET/AM OSC,MIX/FM MPX
A
D
B
C
C109
0.01
C114
50V3.3
R120 47K
C115
25V4.7
C117
560P
X101
(456KHz)
C119
0.01
C118
0.01
C116
8200P
C120
50V1
C143
50V1
C144
50V1
R147
470K
R143
2.2K
C141
50V1
R171
1K
R139
2.7K
R141
1K
2.1V
4.7V
1.5V
Q107
C135
0.01
L105
8.2mH
C139
6800P
C137
560P
R145
820
(4.6V)
4.1V
(6.2V)
5.6V
2.1V
2.1V
(0.5V)
1V
(1.8V)
1.5V
(1.3V)
1.7V
(1.1V)
2V
2V
1.2V
1.2V
4.5V
VCO
DECODER
AM OSC
AM MIX
AM RF AMP
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET
R118
5.6K
R148
470K
R144
2.2K
C142
50V1
R172
1K
R140
2.7K
R142
1K
2.1V
4.7V
1.5V
Q108
C136
0.01
L106
8.2mH
C140
6800P
C138
560P
R146
820
2.1V
5.6V
(6.2V)
2.1V
2.1V
0V
0V
(4.9V)
3.7V
(4.4V)
5.6V
(6.2V)
0V
4.5V
(2.1V)
4.5V
(1.2V)
C127
16V22
C126
0.047
C125
15P
C106
0.01
X102
(10.65MHz)
R124
270
R173
470
C122
50V2.2
C121
50V1
R122
2.7K
R119
18K
Z102
C148
0.01
C196
1000P
C123
50V1
C128
1000P
C129
6.3V100
R126
1.5K
R125
1.5K
R175
1K
R149
68
(7.7V)
C171
1000P
C149
0.1
A
B
D
B
F
C
E
A
(7.7V)
(14.8V)
(5.7V)
C D B A
A
B
A B
A B C D
CL
DO
DI
Lch OUT
CE
Rch OUT
CN102B
+B(2)
SD
ST EYE
VT
+B(1)
GND
CN101B
D.GND
CEO
CLK1
D I/O
CEI
POWER
+B(3)
CN501B
To C MAIN CIRCUIT(CN102A) on page 23
To C MAIN CIRCUIT(CN101A) on page 23
To C MAIN CIRCUIT(CN501A) on page 23

→ : Positive voltage line ⇨ : FM signal line ▭▭▭⇨ : FM OSC signal line

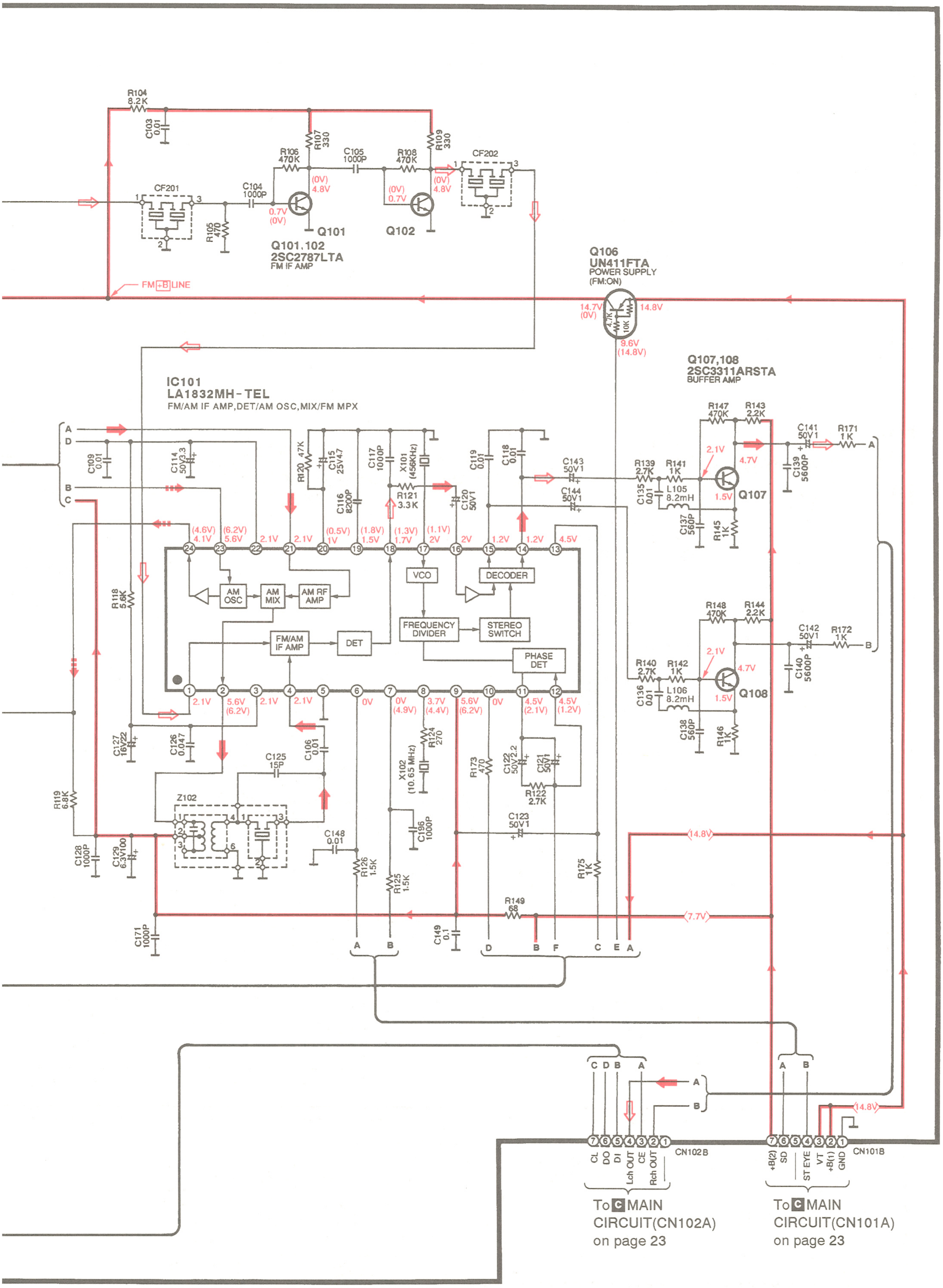
➡ : AM (LW/MW) signal line ■■■➡ : AM (LW/MW) OSC signal line


4.9V
R565 3.3K
R566 3.3K
R567 3.3K
A
D
B
C
R571 100
R570 100
R568 100
R569 100
IC552
LC65104A4F75
MICRO COMPUTER
Terminal guide: on page 40
30 PA3 0V
29 PA2 0V
28 PA1 0V
27 SIGNAL 0V
26 PE1 0V
25 PE0 0V
24 PD3 0V
23 PD2 0V
22 PD1 0V
21 PD0 0V
20 DATA 0V
19 CLOCK 0V
18 CEO 0V
17 CE I 0V
16 R.STRT 4.9V
1 PB0 0V
2 PB1 0V
3 PB2 0V
4 PB3 0V
5 AV+ 0V
6 AV– 0V
7 Vss 0V
8 OSC1 1.9V
9 OSC2 2V
10 VDD 4.9V
11 RES 4.9V
12 TEST 0V
13 R.DATA 4.9V
14 R.RES 4.9V
15 R.CLK 4.9V
B
A
C
C557 1000P
C558 6.3V100
R562 47K
X552 (4MHz)
1
2
3
L552 100 µH
Q550
UN4211AITA
RESET
4.9V
0V
10K
10K
0V
C560 50V1
D551 MA165TA
C559 50V1
D550 MA165TA
Q552
UN4111AITA
POWER SUPPLY
5.7V
5.6V
(5.6V)
10K
10K
0V
R576 1K
0V
4.8V
10K
10K
0V
Q551
UN4211AITA
POWER SUPPLY
CONT.
R554 1K
IC550
LC7073M-TLM
SYNCHRO ERROR
CORRECTING
A
B
C
18 OSC2 2.1V
17 Vss3 0V
16 CLK OUT 4.9V
15 DATA OUT 4.9V
14 D.START 4.9V
13 ERROR
12 CORRE
11 DS.CONT 0V
10 RCV
1 OSC1 2V
2 Vss1 0V
3 Vss2 0V
4 RST 4.9V
5 CLK IN 2.4V
6 DATA IN 2.5V
7 CORR SEL 0V
8 CL.ED.SEL 0V
9 VDD 4.9V
D553 MA165TA
L551 100 µH
X550 (4MHz)
1
2
3
R574 1K
R575 1K
C556 16V10
C569 1000P
R572 10K
D552 MA4051MTA
C570 1000P
C563 0.033
(5V)
X551 (456KHz)
R551 22K
C565 6800P
R552 10K
C562 0.033
C561 0.022
R555 100K
R557 10K
24 3.2V
23 5V
22 2.2V
21 2.2V
20 1.2V
19 2.5V
18 2.4V
17 2.5V
16 0.7V
15 5V
14
13
PRE AMP
BPF
AGC
LPF
LPF
ARI-DK DET.
LPF
D-PLL
BPF
LEVEL DET.
CLOCK RECOVERY
LOGIC
DIFF. DECODE
E-OR
LPF
DIV
DEF
DEF
LOGIC
BI-PHESE DEMOD.
VCO
LPF
LPF
LEVEL DET.
IC551
LA2230M-TE-L
RDS DECODER
R560 82
L550 100 µH
1 1.6V
2 1.5V
3
4 1.5V
5 2.4V
6 2.5V
7 2.9V
8 1.4V (0V)
9 1.5V
10 0V
11 0.7V
12
C550 6.3V100
R550 560K
C551 16V22
C564 3300P
C566 3300P
C567 0.01
TP501
R553 1K
C568 1000P
C552 16V10
C553 25V4.7
R564 1.5M
C554 16V10
R558 1K
R559 5.6K
R573 470
VR550 5K(B)
RDS ADJ.
(5V)
R556 3.3K
C555 25V4.7

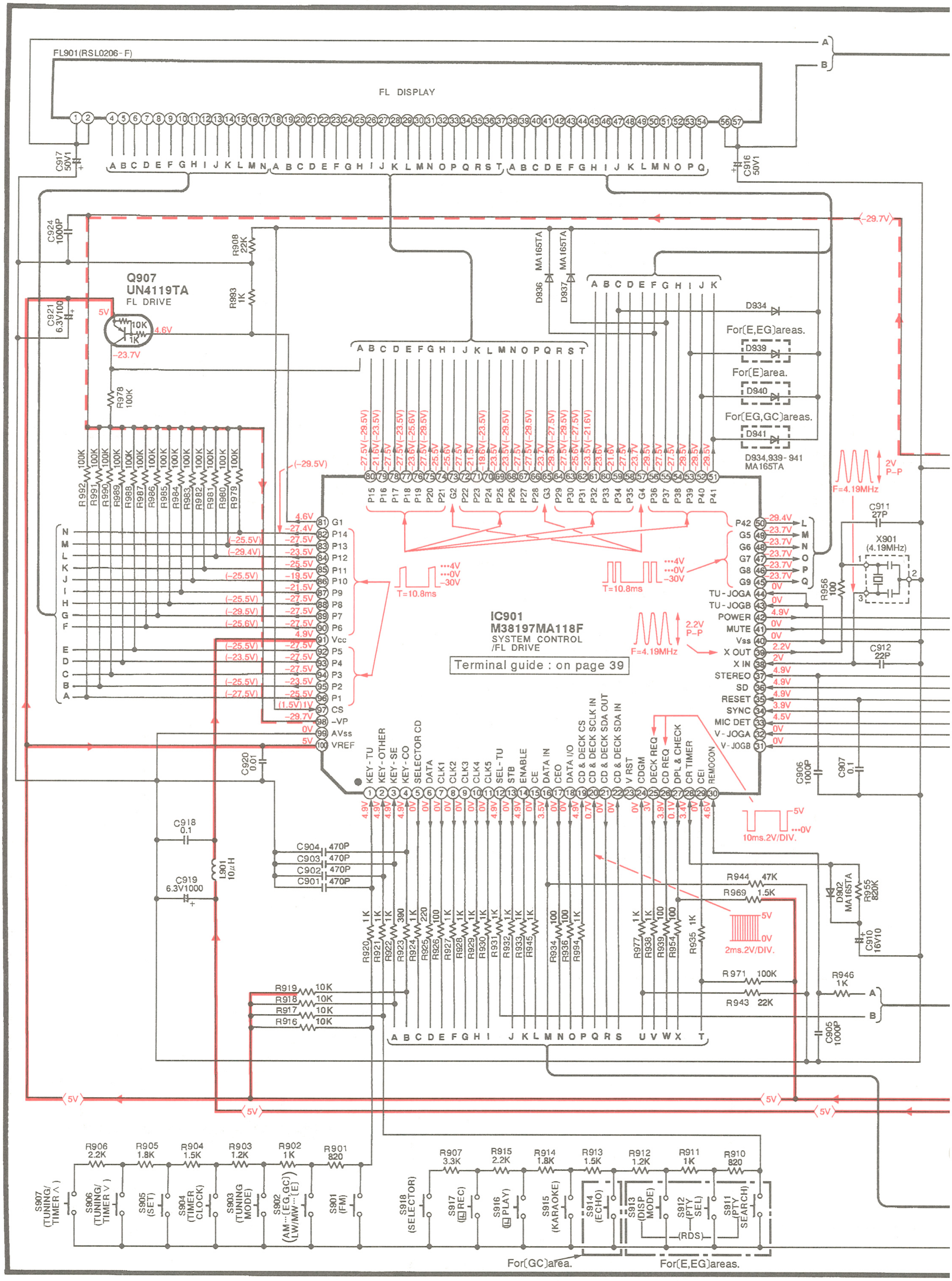
A TUNER CIRCUIT For〔GC〕area. (P.C. Board: on page 29)


Z120 FM FRONT END(RAL0006)
2SK544F-AC
RF AMP
2SC2786MTA
FM MIXER
2SC2787FKTA
BUFFER AMP
(LOCAL OSC)
FM SIGNAL
JK101
FM ANT
75Ω
GND
5.6P
100K
1000P
2.2P
1.2 μH
180P
820K
10P
3.3P
0.47 μH
390
220
560K
2.7K
4.7P
680K
10P
2.2P
R103
270
C101
0.01
C174
16V10
AM OSC SIGNAL
FM OSC SIGNAL
L191
0.68 μH
AM ANT
EXT
LOOP
AM SIGNAL
Z101
AM ANT
AM OSC
Ca
L101
0.68μH
R110
1K
C107
0.047
R112
100K
C108
8.2P
C172
1000P
A
B
C
D
L103
0.47 μH
R176
390
C173
16V22
(14.8V)
(5.1V)
R128
82
C132
1000P
C130
6.3V100
D101
MA4051MTA
R113
10K
R114
5.6K
C111
25V4.7
R115
560
C110
0.01
Q103
Q104
R116
1K
C112
0.01
C134
27P
C133
27P
X103
(7.2MHz)
R117
27K
R129
47K
C113
1000P
C145
22P
C124
1000P
R130
10K
E
F
1V
0.6V
0.6V
2.6V
1V
5.1V
(0V)
2.6V
(2.6V)
0V
(5V)
4.5V
0V
0V
(14.8V)
0V
X OUT
Vss
PD2
PD1
VDD
FM IN
AM IN
MONO
HCTR
LCTR
FM
(LW)
IC102
LC7218M-TE-L
PLL FREQUENCY
SYNTHESIZER
X IN
CE
DI
CL
DO
SYC
IN0
IN1
AM
NC
STRQ
MUTE
2.4V
0V
0V
0V
0V
4.5V
(0.2V)
0V
4V
(4.5V)
R127
10K
D102
MA165TA
Q103,104
2SC2785FETA
FM/AM
LOOP FILTER
R138
10K
R137
1K
R136
1K
R135
1K
R134
1K
R133
1K
R132
10K
V
〔FM〕
10.8V
3V
87.5MHz
108MHz
F
〔AM〕
6.5V
0.8V
530kHz
1620kHz

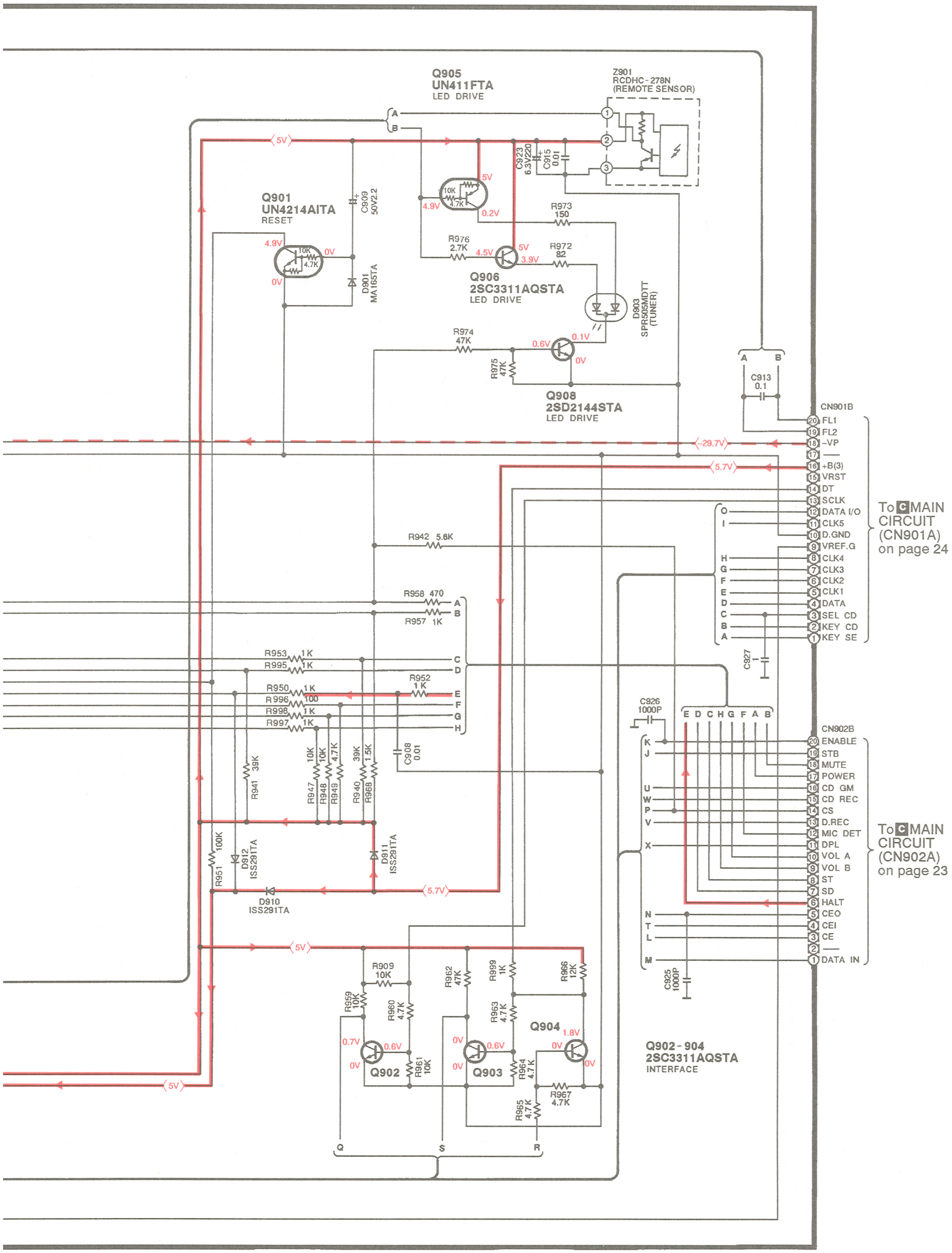
→ : Positive voltage line
⇨ : FM signal line
▫▫▫⇨ : FM OSC signal line
➡ : AM signal line
▪▪▪➡ : AM OSC signal line


R104 8.2K
C103 0.01
R107 330
R109 330
R106 470K
C105 1000P
R108 470K
CF202
CF201
C104 1000P
R105 470
(0V) 4.8V
(0V) 0.7V
0.7V (0V)
Q101
Q102
Q101,102 2SC2787LTA FM IF AMP
FM +B LINE
Q106 UN411FTA POWER SUPPLY (FM:ON)
14.7V (0V)
14.8V
9.6V (14.8V)
Q107,108 2SC3311ARSTA BUFFER AMP
IC101 LA1832MH-TEL FM/AM IF AMP,DET/AM OSC,MIX/FM MPX
R147 470K
R143 2.2K
C141 50V1
R171 1K
C109 0.01
C114 50V3.3
R120 47K
C115 25V4.7
C117 1000P
X101 (456KHz)
C119 0.01
C118 0.01
C143 50V1
R139 2.7K
R141 1K
C139 5600P
C116 8200P
R121 3.3K
C120 50V1
C144 50V1
C135 0.01
L105 8.2mH
Q107
C137 560P
R145 1K
2.1V
4.7V
1.5V
(4.6V) 4.1V
(6.2V) 5.6V
2.1V
2.1V
(0.5V) 1V
(1.8V) 1.5V
(1.3V) 1.7V
(1.1V) 2V
1.2V
1.2V
4.5V
AM OSC
AM MIX
AM RF AMP
VCO
DECODER
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET
R118 5.6K
R148 470K
R144 2.2K
C142 50V1
R172 1K
R140 2.7K
R142 1K
C140 5600P
C136 0.01
L106 8.2mH
Q108
C138 560P
R146 1K
2.1V
5.6V (6.2V)
2.1V
2.1V
0V
0V (4.9V)
3.7V (4.4V)
5.6V (6.2V)
0V
4.5V (2.1V)
4.5V (1.2V)
C127 16V22
C126 0.047
C125 15P
C106 0.01
R124 270
X102 (10.65 MHz)
R173 470
C122 50V2.2
C121 50V1
R122 2.7K
R119 6.8K
Z102
C148 0.01
C196 1000P
C123 50V1
(14.8V)
C128 1000P
C129 6.3V100
R126 1.5K
R125 1.5K
R175 1K
R149 68
(7.7V)
C171 1000P
C149 0.1
A B
D B F C E A
A D B C
C D B A
CN102B
CL DO DI Lch OUT CE Rch OUT
CN101B
+B(2) SD ST EYE VT +B(1) GND
(14.8V)
To C MAIN CIRCUIT(CN102A) on page 23
To C MAIN CIRCUIT(CN101A) on page 23

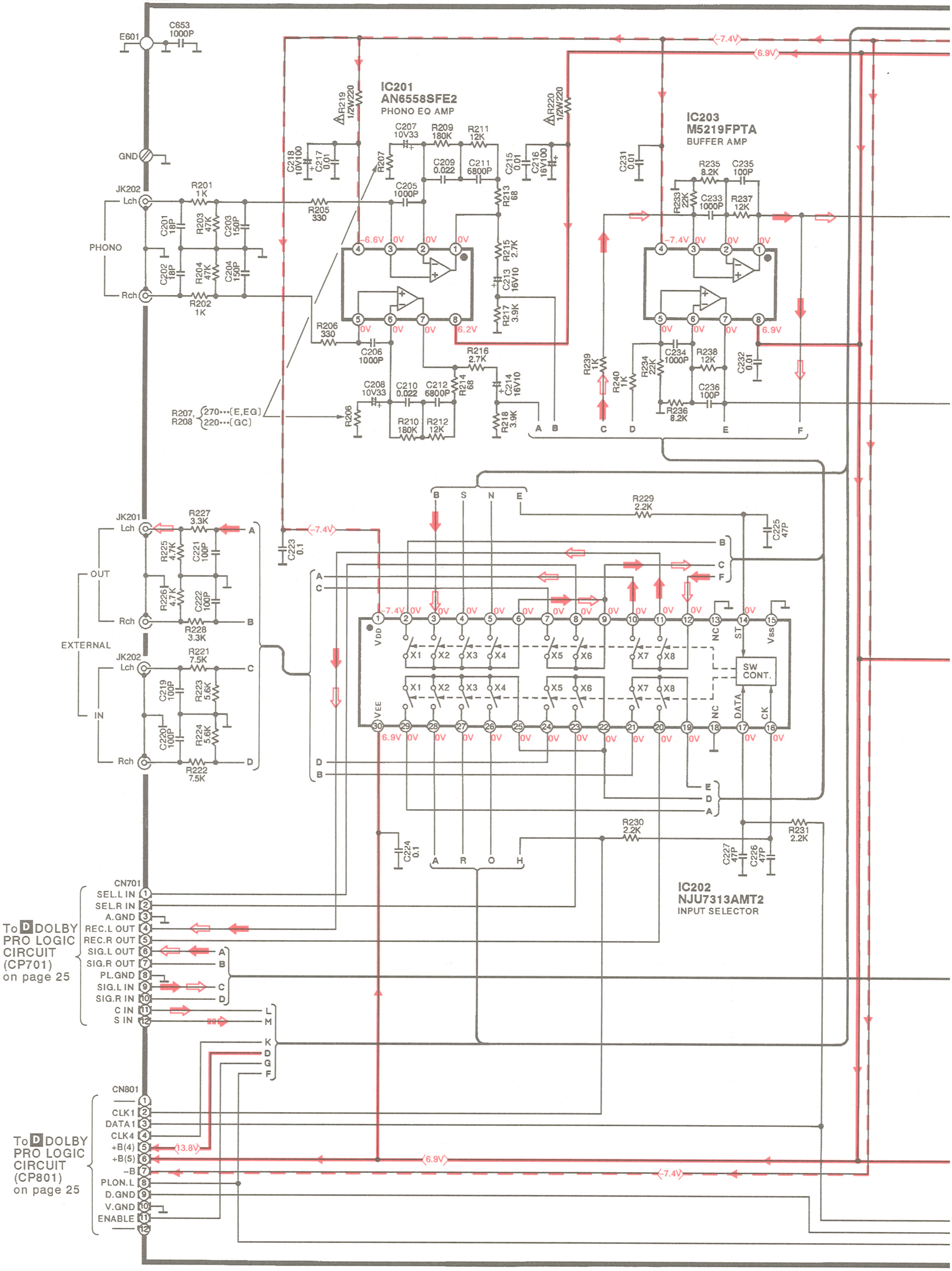
B OPERATION CIRCUIT (P.C.Board : on page 29)


FL901(RSL0206-F)
FL DISPLAY
C917 50V1
C916 50V1
C924 1000P
C921 6.3V100
Q907
UN4119TA
FL DRIVE
10K
1K
5V
4.6V
-23.7V
R908 22K
R993 1K
R978 100K
D936 MA165TA
D937 MA165TA
D934
For(E,EG)areas.
D939
For(E)area.
D940
For(EG,GC)areas.
D941
D934,939-941 MA165TA
(-29.7V)
(-29.5V)
2V P-P
F=4.19MHz
C911 27P
X901 (4.19MHz)
R956 100
C912 22P
R992 R991 R990 R989 R988 R987 R986 R985 R984 R983 R982 R981 R980 R979 100K
IC901
M38197MA118F
SYSTEM CONTROL /FL DRIVE
Terminal guide : on page 39
G1 P14 P13 P12 P11 P10 P9 P8 P7 P6 Vcc P5 P4 P3 P2 P1 CS -VP AVss VREF
P15 P16 P17 P18 P19 P20 P21 G2 P22 P23 P24 P25 P26 P27 P28 G3 P29 P30 P31 P32 P33 P34 P35 G4 P36 P37 P38 P39 P40 P41
P42 G5 G6 G7 G8 G9 TU-JOGA TU-JOGB POWER MUTE Vss X OUT X IN STEREO SD RESET SYNC MIC DET V-JOGA V-JOGB
KEY-TU KEY-OTHER KEY-SE KEY-CO SELECTOR CD DATA CLK1 CLK2 CLK3 CLK4 CLK5 SEL-TU STB ENABLE CE DATA IN CEO DATA I/O CD & DECK CS CD & DECK SCLK IN CD & DECK SDA OUT CD & DECK SDA IN V RST CDGM DECK REQ CD REQ DPL & CHECK CR TIMER CEI REMOCON
T=10.8ms
...4V ...0V -30V
2.2V P-P
F=4.19MHz
10ms.2V/DIV.
2ms.2V/DIV.
C920 0.01
C918 0.1
C919 6.3V1000
L901 10μH
C904 470P
C903 470P
C902 470P
C901 470P
R920 R921 R922 R923 R924 R925 R926 R927 R928 R929 R930 R931 R932 R933 R945 R934 R936 R994 R977 R938 R939 R954 R935
R944 47K
R969 1.5K
D902 MA165TA
R955 820K
C910 16V10
R971 100K
R943 22K
R946 1K
C905 1000P
C906 1000P
C907 0.1
R919 10K
R918 10K
R917 10K
R916 10K
5V
R906 2.2K
R905 1.8K
R904 1.5K
R903 1.2K
R902 1K
R901 820
S907 (TUNING/TIMER∧)
S906 (TUNING/TIMER∨)
S905 (SET)
S904 (TIMER CLOCK)
S903 (TUNING MODE)
S902 (AM···[EG,GC] LW/MW···[E])
S901 (FM)
R907 3.3K
R915 2.2K
R914 1.8K
R913 1.5K
R912 1.2K
R911 1K
R910 820
S918 (SELECTOR)
S917 (REC)
S916 (PLAY)
S915 (KARAOKE)
S914 (ECHO)
S913 (DISP MODE)
S912 (PTY SEL)
S911 (PTY SEARCH)
(RDS)
For(GC)area.
For(E,EG)areas.

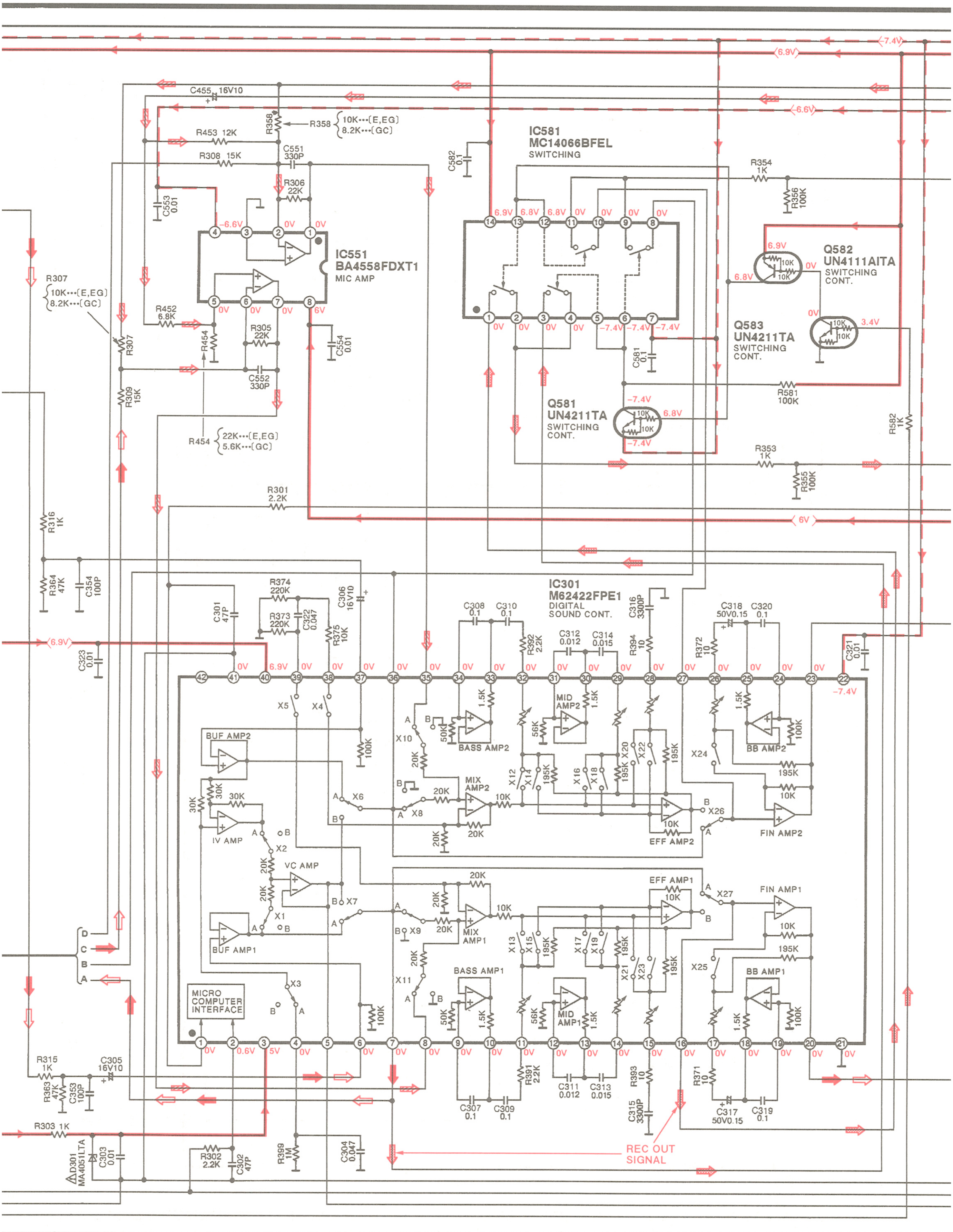
: Positive voltage line


Q905
UN411FTA
LED DRIVE
Z901
RCDHC-278N
(REMOTE SENSOR)
A
B
5V
1
2
3
C923
6.3V220
C915
0.01
10K
4.7K
4.9V
0.2V
5V
Q901
UN4214AITA
RESET
C909
50V2.2
4.9V
10K
4.7K
0V
0V
D901
MA165TA
R973
150
R976
2.7K
4.5V
5V
3.9V
R972
82
Q906
2SC3311AQSTA
LED DRIVE
D903
SPR505MDTT
(TUNER)
R974
47K
0.6V
0.1V
0V
R975
47K
Q908
2SD2144STA
LED DRIVE
C913
0.1
CN901B
-29.7V
5.7V
20 FL1
19 FL2
18 -VP
17 —
16 +B(3)
15 VRST
14 DT
13 SCLK
12 DATA I/O
11 CLK5
10 D.GND
9 VREF.G
8 CLK4
7 CLK3
6 CLK2
5 CLK1
4 DATA
3 SEL CD
2 KEY CD
1 KEY SE
O
I
H
G
F
E
D
C
B
A
To C MAIN CIRCUIT (CN901A) on page 24
R942 5.6K
R958 470
R957 1K
R953 1K
R995 1K
R950 1K
R996 100
R998 1K
R997 1K
R952 1K
C908 0.01
C927 1
R941 39K
R947 10K
R948 10K
R949 4.7K
R940 39K
R968 1.5K
R951 100K
D912 ISS291TA
D911 ISS291TA
D910 ISS291TA
5.7V
C926
1000P
E D C H G F A B
CN902B
K
J
U
W
P
V
X
N
T
L
M
20 ENABLE
19 STB
18 MUTE
17 POWER
16 CD GM
15 CD REC
14 CS
13 D.REC
12 MIC DET
11 DPL
10 VOL A
9 VOL B
8 ST
7 SD
6 HALT
5 CEO
4 CEI
3 CE
2 —
1 DATA IN
To C MAIN CIRCUIT (CN902A) on page 23
C925
1000P
5V
5V
R909
10K
R959
10K
R960
4.7K
R962
47K
R999
1K
R966
12K
R963
4.7K
Q904
1.8V
0.7V
0.6V
0V
Q902
R961
10K
0V
0.6V
0V
Q903
0V
0V
R964
4.7K
R967
4.7K
R965
4.7K
Q902-904
2SC3311AQSTA
INTERFACE
Q
S
R

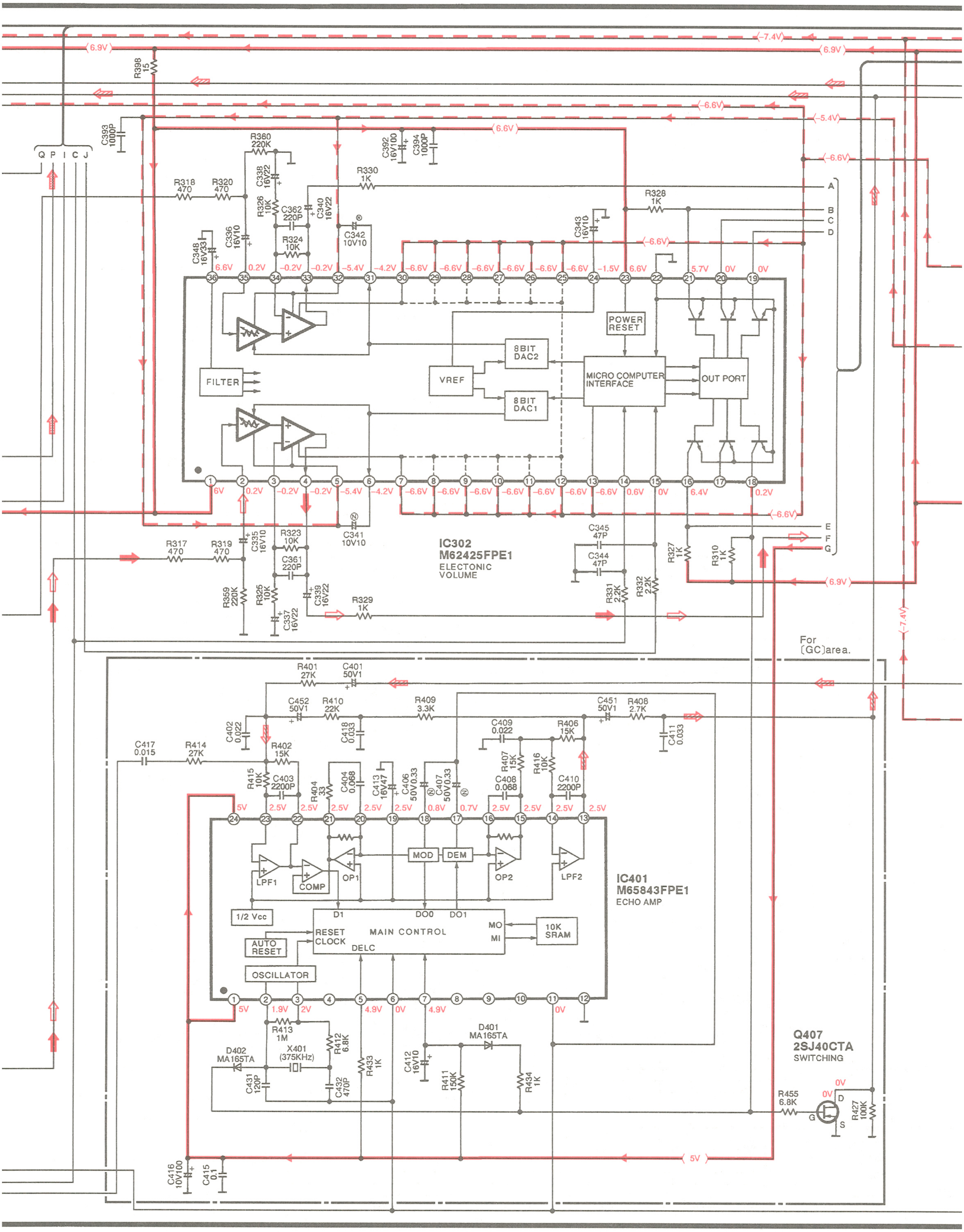
C MAIN CIRCUIT (P.C.Board:on page 30)


E601
C653 1000P
GND
JK202
Lch
Rch
PHONO
R201 1K
R202 1K
C201 18P
C202 18P
R203 47K
R204 47K
C203 150P
C204 150P
R205 330
R206 330
R219 1/2W220
R220 1/2W220
C218 10V100
C217 0.01
IC201
AN6558SFE2
PHONO EQ AMP
C207 10V33
R209 180K
R211 12K
R207
C209 0.022
C211 6800P
C205 1000P
C215 0.01
C216 16V100
R213 68
R215 2.7K
C213 16V10
R217 3.9K
C206 1000P
R216 2.7K
C208 10V33
C210 0.022
C212 6800P
R214 68
C214 16V10
R208
R210 180K
R212 12K
R218 3.9K
R207, R208 {270…(E,EG) 220…(GC)
-6.6V
0V
6.2V
-7.4V
6.9V
IC203
M5219FPTA
BUFFER AMP
C231 0.01
R235 8.2K
C235 100P
R233 22K
C233 1000P
R237 12K
R239 1K
R240 1K
R234 22K
C234 1000P
R238 12K
C232 0.01
C236 100P
R236 8.2K
A B C D E F
B S N E
R229 2.2K
C225 47P
JK201
Lch
Rch
OUT
EXTERNAL
IN
R227 3.3K
R225 4.7K
C221 100P
R226 4.7K
C222 100P
R228 3.3K
R221 7.5K
C219 100P
R223 5.6K
C220 100P
R224 5.6K
R222 7.5K
C223 0.1
VDD
VEE
X1 X2 X3 X4 X5 X6 X7 X8
NC
ST
Vss
SW CONT.
DATA
CK
C224 0.1
A R O H
R230 2.2K
R231 2.2K
C227 47P
C226 47P
IC202
NJU7313AMT2
INPUT SELECTOR
CN701
SEL.L IN
SEL.R IN
A.GND
REC.L OUT
REC.R OUT
SIG.L OUT
SIG.R OUT
PL.GND
SIG.L IN
SIG.R IN
C IN
S IN
To D DOLBY PRO LOGIC CIRCUIT (CP701) on page 25
L M K D G F
CN801
CLK1
DATA1
CLK4
+B(4)
+B(5)
-B
PLON.L
D.GND
V.GND
ENABLE
13.8V
To D DOLBY PRO LOGIC CIRCUIT (CP801) on page 25

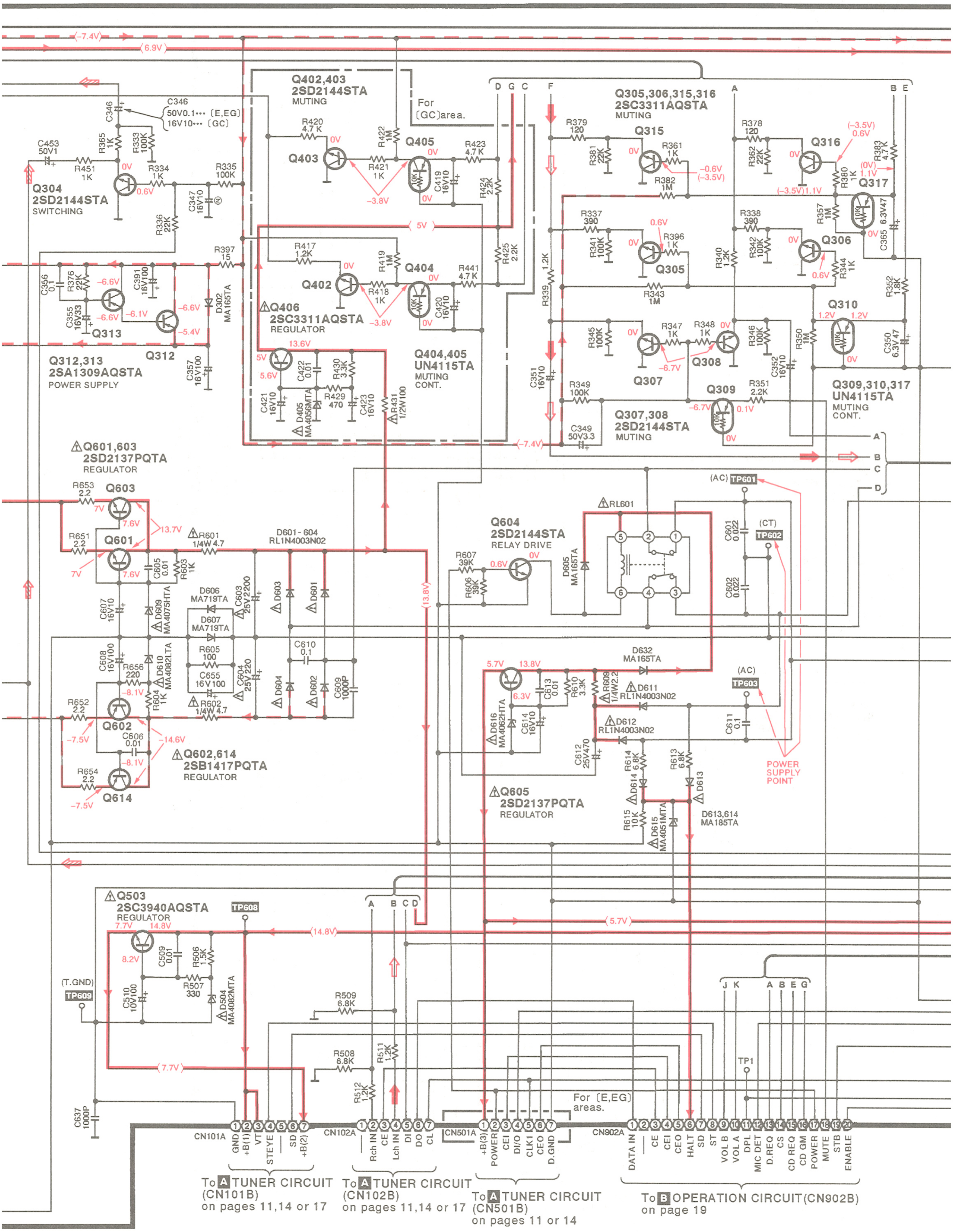
→ : Positive voltage line
➡ : AM (LW/MW) signal line
⇢ : Negative voltage line
⇨ : REC OUT signal line
⇨ : FM signal line
⇨ : MIC signal line


IC551
BA4558FDXT1
MIC AMP
IC581
MC14066BFEL
SWITCHING
IC301
M62422FPE1
DIGITAL
SOUND CONT.
Q582
UN4111AITA
SWITCHING
CONT.
Q583
UN4211TA
SWITCHING
CONT.
Q581
UN4211TA
SWITCHING
CONT.
C455 16V10
R358
R358 {10K…[E,EG] 8.2K…[GC]
R453 12K
R308 15K
C551 330P
R306 22K
C553 0.01
C582 0.1
R307
R307 {10K…[E,EG] 8.2K…[GC]
R452 6.8K
R454
R305 22K
C554 0.01
C552 330P
R309 15K
R454 {22K…[E,EG] 5.6K…[GC]
R354 1K
R356 100K
C581 0.1
R581 100K
R582 1K
R353 1K
R355 100K
R301 2.2K
R316 1K
R364 47K
C354 100P
C323 0.01
R374 220K
R373 220K
C322 0.047
R375 10K
C306 16V10
C301 47P
C308 0.1
C310 0.1
R392 2.2K
C312 0.012
C314 0.015
C316 3300P
R394 10
R372 10
C318 50V0.15
C320 0.1
C321 0.01
BUF AMP2
IV AMP
VC AMP
BUF AMP1
MICRO COMPUTER INTERFACE
BASS AMP2
MIX AMP2
MID AMP2
EFF AMP2
BB AMP2
FIN AMP2
EFF AMP1
FIN AMP1
MIX AMP1
BASS AMP1
MID AMP1
BB AMP1
X1
X2
X3
X4
X5
X6
X7
X8
X9
X10
X11
X12
X13
X14
X15
X16
X17
X18
X19
X20
X21
X22
X23
X24
X25
X26
X27
30K
20K
50K
1.5K
56K
195K
10K
100K
R315 1K
C305 16V10
R363 47K
C353 100P
R303 1K
D301 MA4051LTA
C303 0.01
R302 2.2K
C302 47P
R399 1M
C304 0.047
C307 0.1
C309 0.1
R391 2.2K
C311 0.012
C313 0.015
R393 10
C315 3300P
R371 10
C317 50V0.15
C319 0.1
REC OUT SIGNAL
D
C
B
A
-7.4V
6.9V
-6.6V
6.8V
0V
3.4V
6V
0.6V
5V

C MAIN CIRCUIT (P.C.Board:on page 30)


Q P I C J
A B C D
E F G
(6.9V) (-7.4V) (6.9V) (-6.6V) (-5.4V) (6.6V) (-6.6V) (-6.6V) (-7.4V) (5V)
R398 15
C393 1000P
R360 220K
C338 16V22
R330 1K
C392 16V100
C394 1000P
R318 470
R320 470
R326 10K
C362 220P
C340 16V22
C348 16V33
C336 16V10
R324 10K
C342 10V10
C343 16V10
R328 1K
6.6V 0.2V -0.2V -0.2V -5.4V -4.2V -6.6V -6.6V -6.6V -6.6V -6.6V -6.6V -1.5V 6.6V 5.7V 0V 0V
POWER RESET
8BIT DAC2
VREF
MICRO COMPUTER INTERFACE
OUT PORT
FILTER
8BIT DAC1
6V 0.2V -0.2V -0.2V -5.4V -4.2V -6.6V -6.6V -6.6V -6.6V -6.6V -6.6V -6.6V 0.6V 0V 6.4V 0.2V
R317 470
R319 470
C335 16V10
R323 10K
C361 220P
C341 10V10
IC302 M62425FPE1 ELECTONIC VOLUME
C345 47P
C344 47P
R327 1K
R310 1K
R359 220K
R325 10K
C337 16V22
C339 16V22
R329 1K
R331 2.2K
R332 2.2K
For (GC)area.
R401 27K
C401 50V1
C452 50V1
R410 22K
R409 3.3K
C451 50V1
R408 2.7K
C402 0.022
C418 0.033
C409 0.022
R406 15K
C411 0.033
C417 0.015
R414 27K
R402 15K
R415 10K
C403 2200P
R404 33
C404 0.068
C413 16V47
C406 50V0.33
C407 50V0.33
R407 15K
C408 0.068
R416 10K
C410 2200P
5V 2.5V 2.5V 2.5V 2.5V 2.5V 0.8V 0.7V 2.5V 2.5V 2.5V 2.5V
LPF1 COMP OP1 MOD DEM OP2 LPF2
IC401 M65843FPE1 ECHO AMP
1/2 Vcc
D1 DO0 DO1
RESET CLOCK MAIN CONTROL DELC MO MI
10K SRAM
AUTO RESET
OSCILLATOR
5V 1.9V 2V 4.9V 0V 4.9V 0V
R413 1M
R412 6.8K
X401 (375KHz)
D402 MA165TA
C431 120P
C432 470P
R433 1K
C412 16V10
D401 MA165TA
R411 150K
R434 1K
Q407 2SJ40CTA SWITCHING
R455 6.8K
0V 0V
D G S
R427 100K
C416 10V100
C415 0.1

: Positive voltage line
: AM (LW/MW) signal line
: Negative voltage line
: REC OUT signal line
: FM signal line
: MIC signal line


(-7.4V)
(6.9V)
Q402,403
2SD2144STA
MUTING
For
〔GC〕area.
C346
50V0.1… 〔E,EG〕
16V10… 〔GC〕
C453
50V1
R365 1K
R333 100K
R451 1K
R334 1K
R335 100K
Q304
2SD2144STA
SWITCHING
C347 16V10
R336 22K
R420 4.7K
R422 1M
Q403
Q405
R421 1K
R423 4.7K
C419 16V10
R424 2.2K
-3.8V
5V
R417 1.2K
R419 1M
Q404
R441 4.7K
R425 2.2K
Q402
R418 1K
C420 16V10
R397 15
C356 0.1
R376 22K
C391 16V100
C355 16V33
Q313
Q312
D302 MA165TA
Q312,313
2SA1309AQSTA
POWER SUPPLY
C357 16V100
Q406
2SC3311AQSTA
REGULATOR
13.6V
5.6V
C422 0.01
R430 3.3K
R429 470
C421 16V10
D405 MA4056MTA
C423 16V10
R431 1/2W100
Q404,405
UN4115TA
MUTING
CONT.
D G C F
Q305,306,315,316
2SC3311AQSTA
MUTING
A
B E
R379 120
Q315
R381 22K
R361 1K
R382 1M
R378 120
Q316
R362 22K
R380 1K
R383 4.7K
Q317
(-3.5V)
0.6V
(0V)
1.1V
-0.6V
(-3.5V)
(-3.5V)1.1V
R337 390
R341 100K
R396 1K
Q305
R338 390
R342 100K
Q306
R344 1K
R357 1M
C365 6.3V47
R339 1.2K
R340 1.2K
R343 1M
Q310
R352 1.8K
R350 1M
C350 6.3V47
R345 100K
R347 1K
R348 1K
R346 100K
Q307
Q308
C352 16V10
C351 16V10
R349 100K
Q309
R351 2.2K
-6.7V
0.1V
Q307,308
2SD2144STA
MUTING
C349 50V3.3
Q309,310,317
UN4115TA
MUTING
CONT.
A
B
C
D
(AC) TP601
Q601,603
2SD2137PQTA
REGULATOR
R653 2.2
Q603
7V
7.6V
13.7V
R651 2.2
Q601
RL601
R601 1/4W 4.7
D601-604
RL1N4003N02
C605 0.01
R603 1K
Q604
2SD2144STA
RELAY DRIVE
R607 39K
R606 39K
D605 MA165TA
C601 0.022
(CT)
TP602
C602 0.022
(13.8V)
C607 16V10
D609 MA4075HTA
D606 MA719TA
D607 MA719TA
C603 25V2200
D603
D601
C608 16V100
R656 220
D610 MA4082LTA
R605 100
C655 16V100
C610 0.1
C604 25V2200
D604
D602
C609 1000P
R652 2.2
R604 1K
R602 1/4W 4.7
-8.1V
Q602
-7.5V
C606 0.01
-14.6V
Q602,614
2SB1417PQTA
REGULATOR
R654 2.2
Q614
D632 MA165TA
5.7V
13.8V
6.3V
C613 0.01
R610 3.3K
R609 1/4W2.2
D611
RL1N4003N02
D612
RL1N4003N02
(AC)
TP603
C611 0.1
D616 MA4062HTA
C614 16V10
C612 25V470
R614 6.8K
R613 6.8K
D614
D613
POWER SUPPLY POINT
Q605
2SD2137PQTA
REGULATOR
R615 10K
D615 MA4051MTA
D613,614 MA185TA
Q503
2SC3940AQSTA
REGULATOR
TP608
7.7V
14.8V
(14.8V)
(5.7V)
A B C D
C509 0.01
R506 1.5K
R507 330
8.2V
(T.GND)
TP609
C510 10V100
D504 MA4082MTA
R509 6.8K
J K A B E G
(7.7V)
R508 6.8K
R511 1.2K
R512 1.2K
TP1
For 〔E,EG〕 areas.
C637 1000P
CN101A
GND +B(1) VT STEYE SD +B(2)
CN102A
Rch IN CE Lch IN DI DO CL
CN501A
+B(3) POWER CEI DI/O CLK1 CEO D.GND
CN902A
DATA IN CE CEI CEO HALT SD ST VOL B VOL A DPL MIC DET D.REQ CS CD REQ CD GM POWER MUTE STB ENABLE

To A TUNER CIRCUIT
(CN101B)
on pages 11,14 or 17

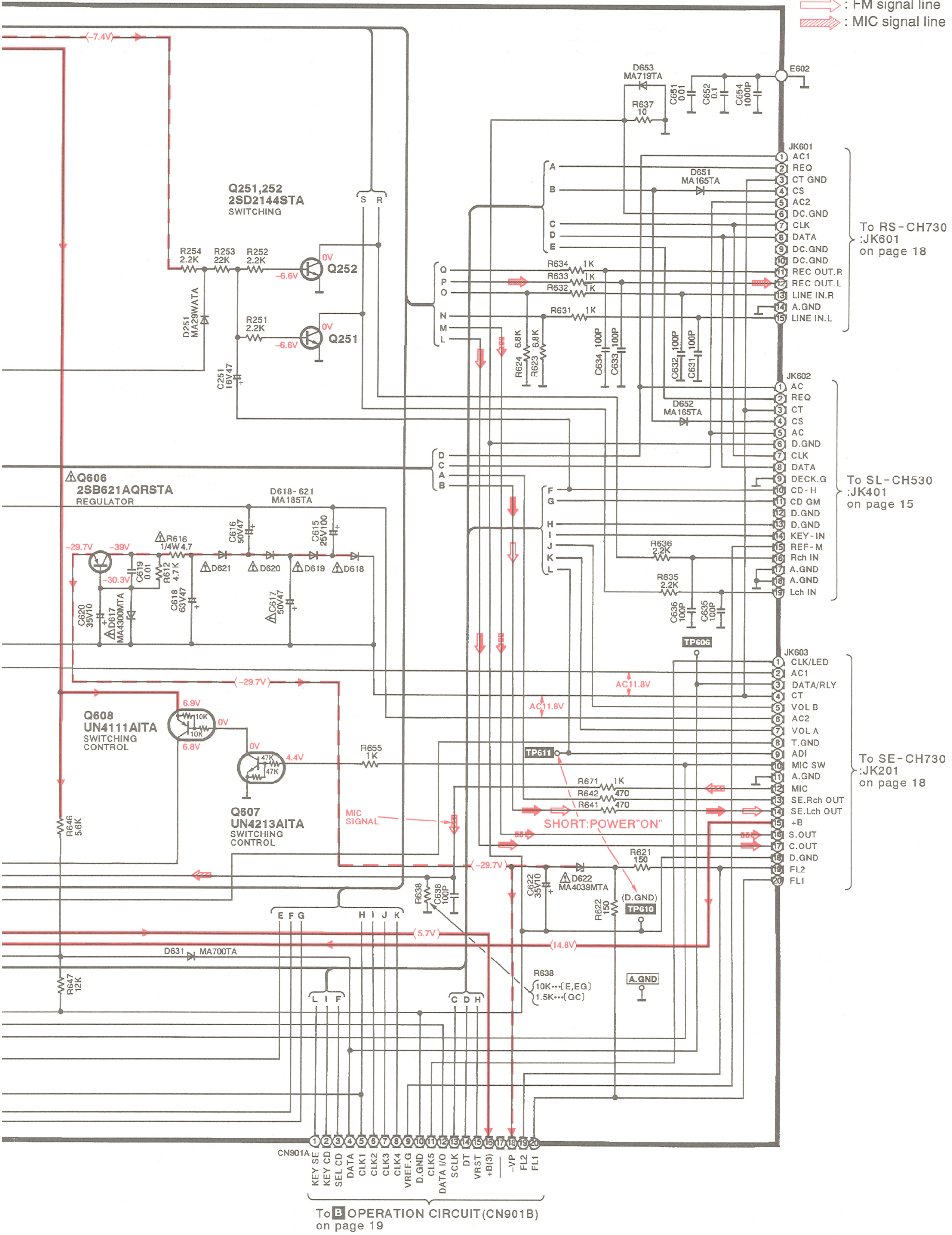
To A TUNER CIRCUIT
(CN102B)
on pages 11,14 or 17

To A TUNER CIRCUIT
(CN501B)
on pages 11 or 14

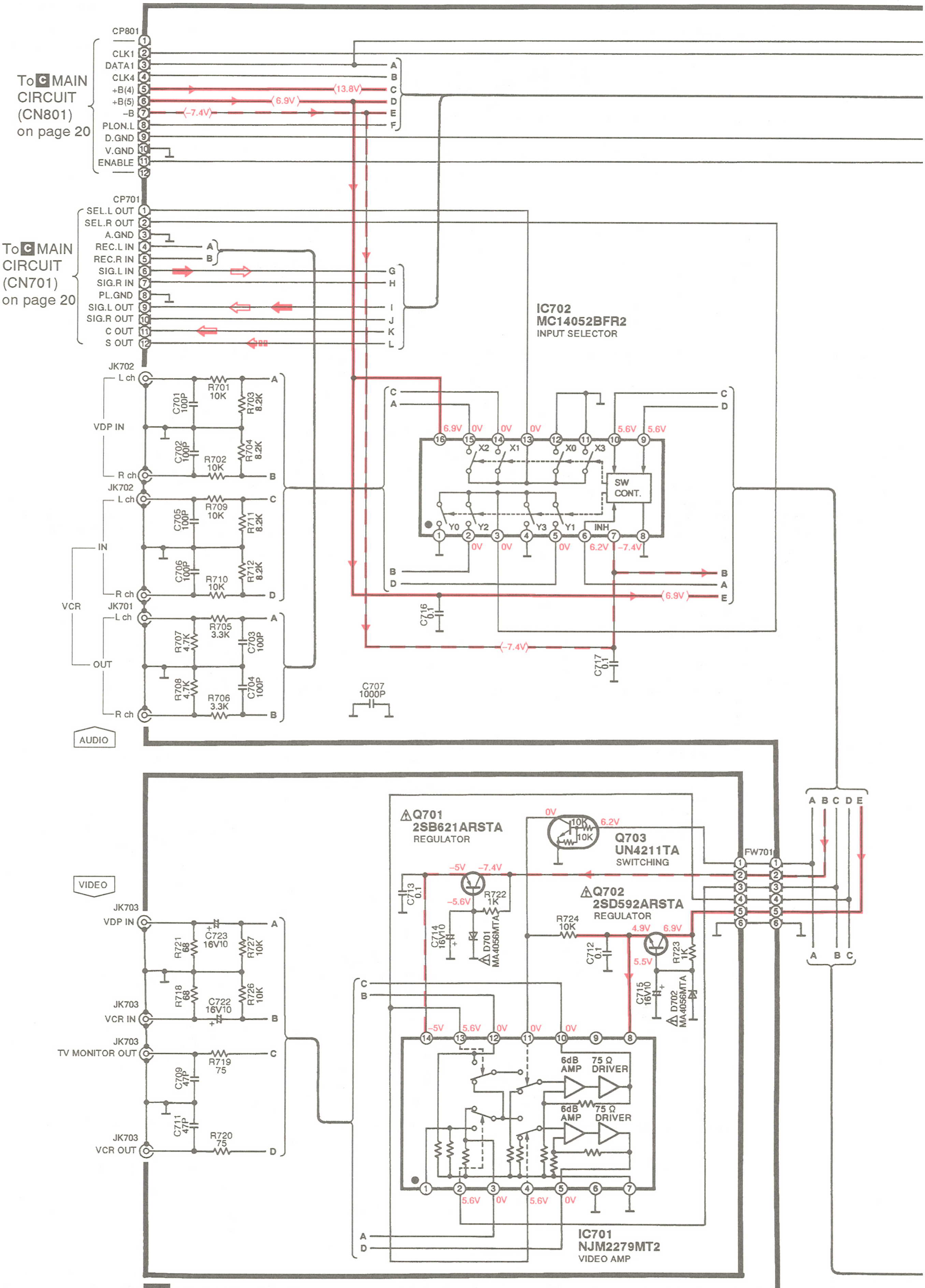
To B OPERATION CIRCUIT (CN902B)
on page 19

C MAIN CIRCUIT (P.C.Board:on page 30)

→ : Positive voltage line
⇢ : Negative voltage line
➡ : AM (LW/MW) signal line
⇨ : REC OUT signal line
⇨ : FM signal line
⇨ : MIC signal line

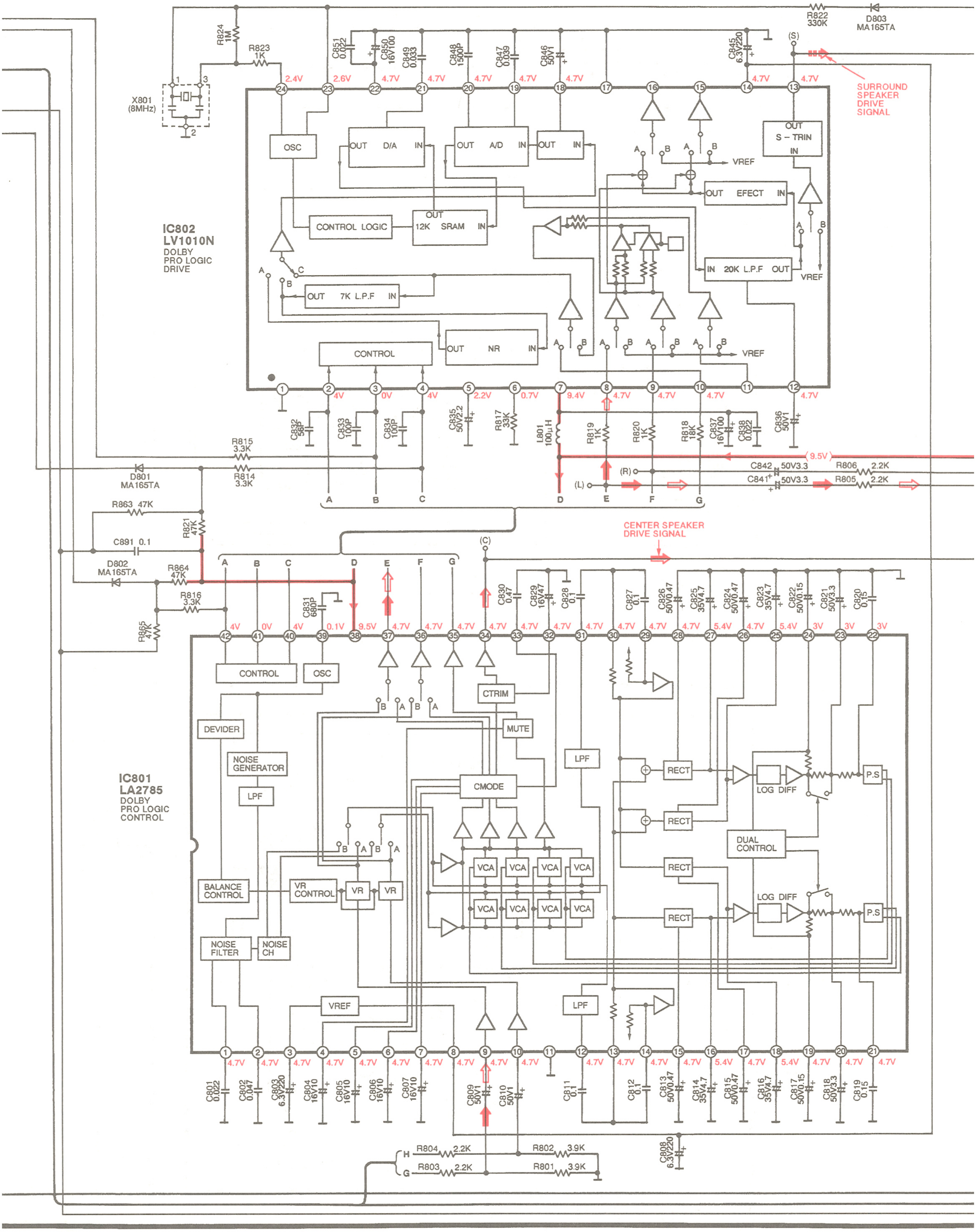

(-7.4V)
E602
D653 MA719TA
R637 10
C651 0.01
C652 0.1
C654 1000P
JK601
① AC1
② REQ
③ CT GND
④ CS
⑤ AC2
⑥ DC.GND
⑦ CLK
⑧ DATA
⑨ DC.GND
⑩ DC.GND
⑪ REC OUT.R
⑫ REC OUT.L
⑬ LINE IN.R
⑭ A.GND
⑮ LINE IN.L
To RS-CH730 :JK601 on page 18
D651 MA165TA
A B C D E
S R
Q251,252 2SD2144STA SWITCHING
R254 2.2K
R253 22K
R252 2.2K
0V
Q252
-6.6V
D251 MA29WATA
R251 2.2K
0V
Q251
-6.6V
C251 16V47
Q P O N M L
R634 1K
R633 1K
R632 1K
R631 1K
R624 6.8K
R623 6.8K
C634 100P
C633 100P
C632 100P
C631 100P
JK602
① AC
② REQ
③ CT
④ CS
⑤ AC
⑥ D.GND
⑦ CLK
⑧ DATA
⑨ DECK.G
⑩ CD-H
⑪ CD GM
⑫ D.GND
⑬ D.GND
⑭ KEY-IN
⑮ REF-M
⑯ Rch IN
⑰ A.GND
⑱ A.GND
⑲ Lch IN
To SL-CH530 :JK401 on page 15
D652 MA165TA
D C A B
⚠Q606 2SB621AQRSTA REGULATOR
D618-621 MA185TA
⚠R616 1/4W 4.7
C616 50V47
C615 25V100
-29.7V
-39V
-30.3V
C619 0.01
R612 4.7K
⚠D621
⚠D620
⚠D619
⚠D618
C618 63V47
⚠C617 50V47
C620 35V10
⚠D617 MA4300MTA
F G H I J K L
R636 2.2K
R635 2.2K
C636 100P
C635 100P
TP606
JK603
① CLK/LED
② AC1
③ DATA/RLY
④ CT
⑤ VOL B
⑥ AC2
⑦ VOL A
⑧ T.GND
⑨ ADI
⑩ MIC SW
⑪ A.GND
⑫ MIC
⑬ SE.Rch OUT
⑭ SE.Lch OUT
⑮ +B
⑯ S.OUT
⑰ C.OUT
⑱ D.GND
⑲ FL2
⑳ FL1
To SE-CH730 :JK201 on page 18
(-29.7V)
AC11.8V
AC11.8V
Q608 UN4111AITA SWITCHING CONTROL
6.9V
10K
10K
0V
6.8V
0V
47K
47K
4.4V
Q607 UN4213AITA SWITCHING CONTROL
R655 1K
TP611
R671 1K
R642 470
R641 470
SHORT:POWER"ON"
MIC SIGNAL
R646 5.6K
(-29.7V)
R621 150
C622 35V10
⚠D622 MA4039MTA
(D.GND)
TP610
R622 150
R638
C638 100P
E F G
H I J K
(5.7V)
(14.8V)
D631 MA700TA
R638 10K…[E,EG] 1.5K…[GC]
A.GND
R647 12K
L I F
C D H
CN901A
① KEY SE
② KEY CD
③ SEL CD
④ DATA
⑤ CLK1
⑥ CLK2
⑦ CLK3
⑧ CLK4
⑨ VREF.G
⑩ D.GND
⑪ CLK5
⑫ DATA I/O
⑬ SCLK
⑭ DT
⑮ VRST
⑯ +B(3)
⑰
⑱ -VP
⑲ FL2
⑳ FL1
To B OPERATION CIRCUIT (CN901B) on page 19

D DOLBY PRO LOGIC CIRCUIT (P.C.Board:on page 31)

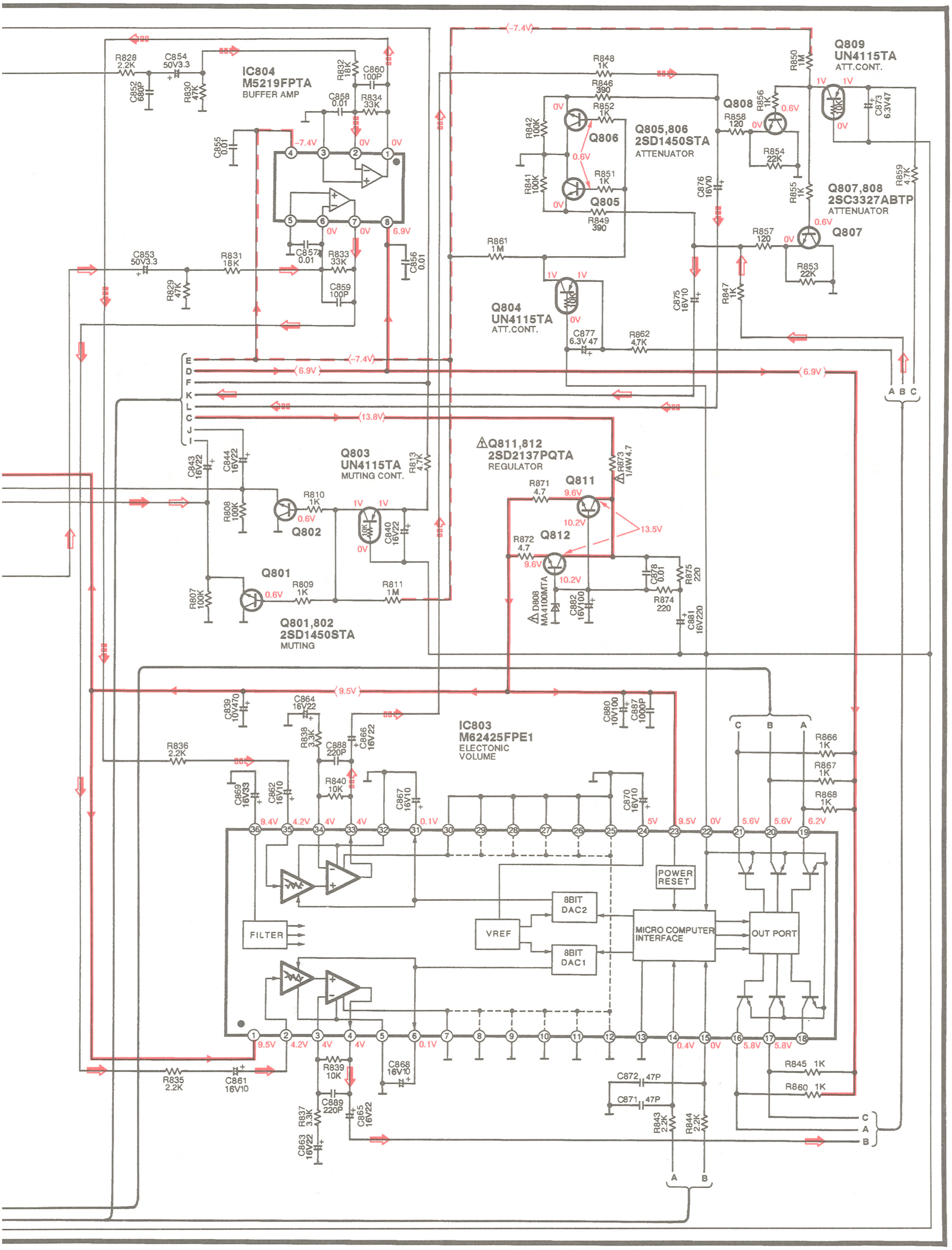

CP801
CLK1
DATA1
CLK4
+B(4)
+B(5)
–B
PLON.L
D.GND
V.GND
ENABLE
To C MAIN CIRCUIT (CN801) on page 20
(13.8V)
(6.9V)
(–7.4V)
CP701
SEL.L OUT
SEL.R OUT
A.GND
REC.L IN
REC.R IN
SIG.L IN
SIG.R IN
PL.GND
SIG.L OUT
SIG.R OUT
C OUT
S OUT
To C MAIN CIRCUIT (CN701) on page 20
IC702
MC14052BFR2
INPUT SELECTOR
SW CONT.
INH
X2
X1
X0
X3
Y0
Y2
Y3
Y1
6.9V
0V
5.6V
6.2V
–7.4V
JK702
L ch
R ch
VDP IN
R701 10K
R702 10K
R703 8.2K
R704 8.2K
C701 100P
C702 100P
IN
R709 10K
R710 10K
R711 8.2K
R712 8.2K
C705 100P
C706 100P
VCR
JK701
OUT
R705 3.3K
R706 3.3K
R707 4.7K
R708 4.7K
C703 100P
C704 100P
AUDIO
C707 1000P
C716 0.1
C717 0.1
(6.9V)
(–7.4V)
VIDEO
JK703
VDP IN
VCR IN
TV MONITOR OUT
VCR OUT
R721 68
R718 68
C723 16V10
C722 16V10
R727 10K
R726 10K
R719 75
R720 75
C709 47P
C711 47P
Q701
2SB621ARSTA
REGULATOR
Q703
UN4211TA
SWITCHING
10K
10K
Q702
2SD592ARSTA
REGULATOR
C713 0.1
C714 16V10
D701 MA4056MTA
R722 1K
R724 10K
C712 0.1
C715 16V10
R723 1K
D702 MA4056MTA
–5V
–7.4V
–5.6V
0V
6.2V
4.9V
6.9V
5.5V
5.6V
FW701
6dB AMP
75 Ω DRIVER
IC701
NJM2279MT2
VIDEO AMP

E VIDEO CIRCUIT (P.C.Board:on page 31)

D DOLBY PRO LOGIC CIRCUIT (P.C.Board:on page 31)


IC802
LV1010N
DOLBY
PRO LOGIC
DRIVE
X801
(8MHz)
R824 1M
R823 1K
C851 0.022
C850 16V100
C849 0.033
C848 1500P
C847 0.039
C846 50V1
C845 6.3V220
R822 330K
D803 MA165TA
(S)
SURROUND
SPEAKER
DRIVE
SIGNAL
OSC
OUT D/A IN
OUT A/D IN
OUT IN
OUT S – TRIN IN
VREF
OUT EFECT IN
CONTROL LOGIC
OUT 12K SRAM IN
IN 20K L.P.F OUT
OUT 7K L.P.F IN
OUT NR IN
CONTROL
2.4V
2.6V
4.7V
9.4V
0.7V
2.2V
4V
0V
9.5V
C832 56P
C833 100P
C834 100P
C835 50V2.2
R817 33K
L801 100μH
R819 1K
R820 1K
R818 18K
C837 16V100
C838 0.022
C836 50V1
R815 3.3K
R814 3.3K
D801 MA165TA
R863 47K
R821 47K
C891 0.1
D802 MA165TA
R864 47K
R816 3.3K
R865 47K
C842 50V3.3
C841 50V3.3
R806 2.2K
R805 2.2K
(R)
(L)
CENTER SPEAKER
DRIVE SIGNAL
(C)
A
B
C
D
E
F
G
C831 680P
C830 0.47
C829 16V47
C828 0.1
C827 0.1
C826 50V0.47
C825 35V4.7
C824 50V0.47
C823 35V4.7
C822 50V0.15
C821 50V3.3
C820 0.15
0.1V
5.4V
3V
IC801
LA2785
DOLBY
PRO LOGIC
CONTROL
CONTROL
OSC
CTRIM
DEVIDER
MUTE
NOISE
GENERATOR
LPF
CMODE
RECT
LOG DIFF
P.S
DUAL
CONTROL
VCA
BALANCE
CONTROL
VR
CONTROL
VR
NOISE
FILTER
NOISE
CH
VREF
C801 0.022
C802 0.047
C803 6.3V220
C804 16V10
C805 16V10
C806 16V10
C807 16V10
C809 50V1
C810 50V1
C811 0.1
C812 0.1
C813 50V0.47
C814 35V4.7
C815 50V0.47
C816 35V4.7
C817 50V0.15
C818 50V3.3
C819 0.15
C808 6.3V220
H
G
R804 2.2K
R803 2.2K
R802 3.9K
R801 3.9K

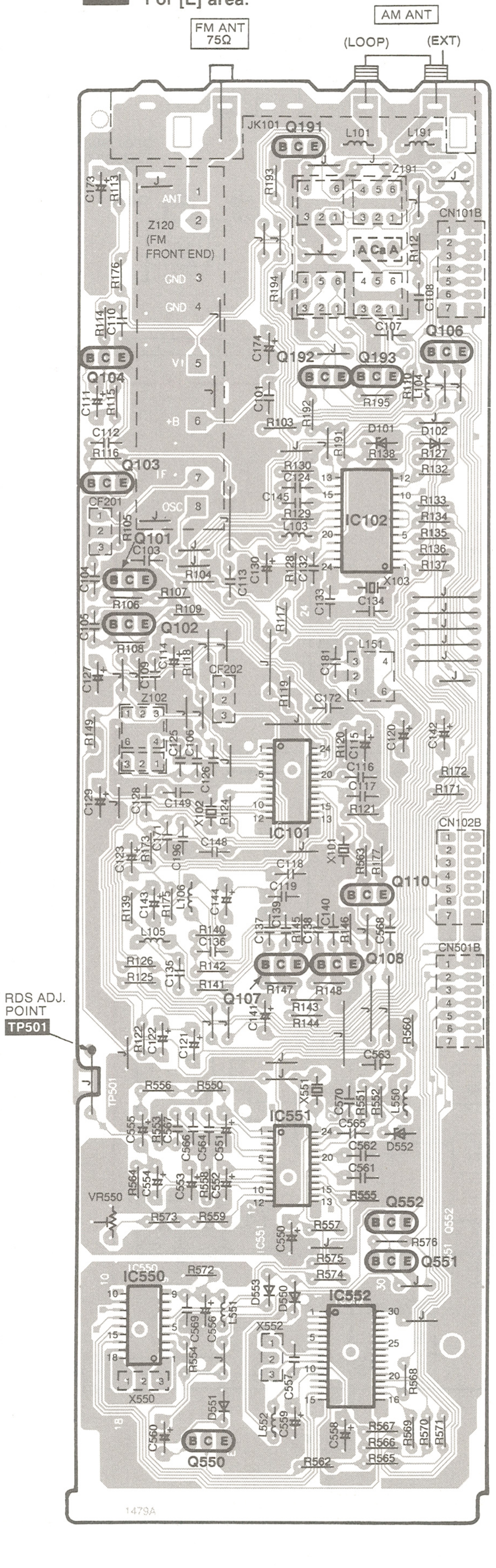
→ : Positive voltage line
⇢ : Negative voltage line
⇨ : FM signal line
➡ : AM (LW/MW) signal line
⇨ : Center speaker drive signal line
▭▭▭⇨ : Surround speaker drive signal line


IC804
M5219FPTA
BUFFER AMP
R828 2.2K
C854 50V3.3
C852 680P
R830 47K
R832 18K
C860 100P
C858 0.01
R834 33K
C855 0.01
-7.4V
0V
6.9V
C853 50V3.3
R829 47K
R831 18K
C857 0.01
R833 33K
C859 100P
C856 0.01
Q809
UN4115TA
ATT.CONT.
R850 1M
R848 1K
R846 390
R852 1K
R842 100K
R841 100K
Q806
Q805
Q805,806
2SD1450STA
ATTENUATOR
R851 1K
R849 390
Q808
R856 1K
R858 120
R854 22K
R855 1K
C876 16V10
C873 6.3V47
R859 4.7K
Q807,808
2SC3327ABTP
ATTENUATOR
Q807
R857 120
R853 22K
R847 1K
R861 1M
Q804
UN4115TA
ATT.CONT.
C877 6.3V 47
R862 4.7K
C875 16V10
0.6V
1V
(-7.4V)
(6.9V)
(13.8V)
E
D
F
K
L
C
J
I
A B C
C843 16V22
C844 16V22
Q803
UN4115TA
MUTING CONT.
R813 4.7K
R810 1K
Q802
R808 100K
C840 16V22
Q801
R809 1K
R811 1M
R807 100K
Q801,802
2SD1450STA
MUTING
Q811,812
2SD2137PQTA
REGULATOR
R873 1/4W4.7
R871 4.7
Q811
9.6V
10.2V
13.5V
R872 4.7
Q812
D808 MA4100MTA
C882 16V100
C878 0.01
R875 220
R874 220
C881 16V220
(9.5V)
C839 10V470
C864 16V22
R838 3.3K
C888 220P
C866 16V22
C880 10V100
C887 1000P
IC803
M62425FPE1
ELECTONIC
VOLUME
R836 2.2K
R840 10K
C869 16V33
C862 16V10
C867 16V10
C870 16V10
R866 1K
R867 1K
R868 1K
9.4V
4.2V
4V
0.1V
5V
9.5V
5.6V
6.2V
36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19
POWER RESET
8BIT DAC2
FILTER
VREF
MICRO COMPUTER INTERFACE
OUT PORT
8BIT DAC1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
0.4V
5.8V
R835 2.2K
C861 16V10
R839 10K
C868 16V10
C889 220P
R837 3.3K
C865 16V22
C863 16V22
C872 47P
C871 47P
R843 2.2K
R844 2.2K
R845 1K
R860 1K
C
A
B

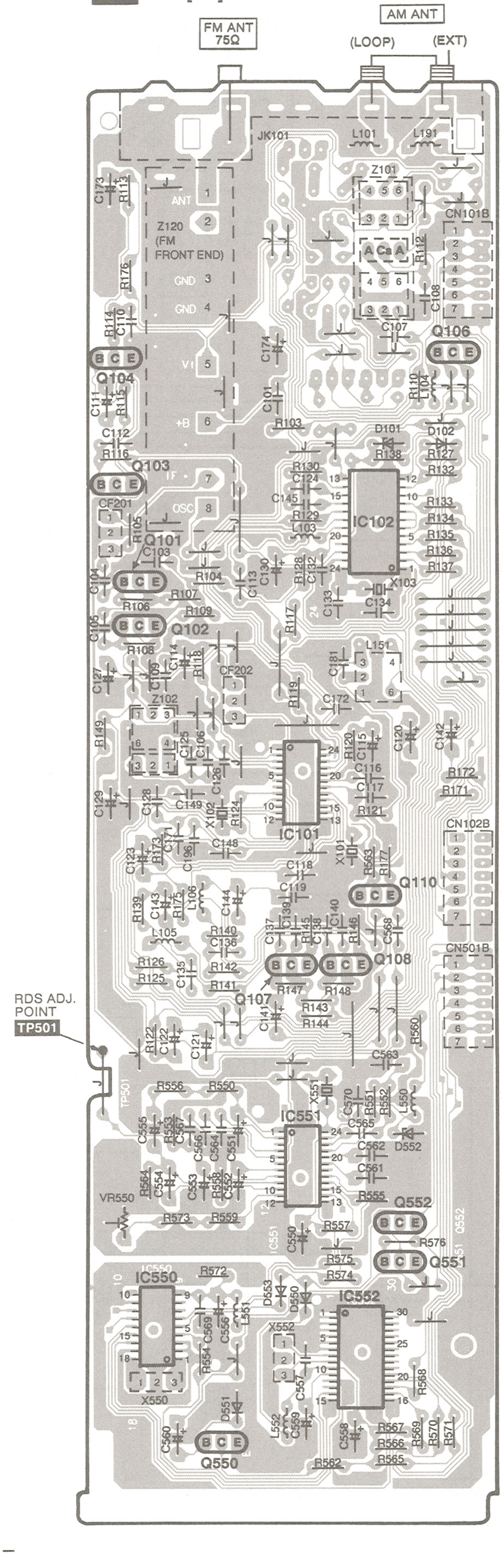
■ Printed Circuit Board Diagram

- This circuit board diagram may be modified at any time with the development of new technology.

A TUNER P.C.B. (REP2151B–T)
For [E] area.

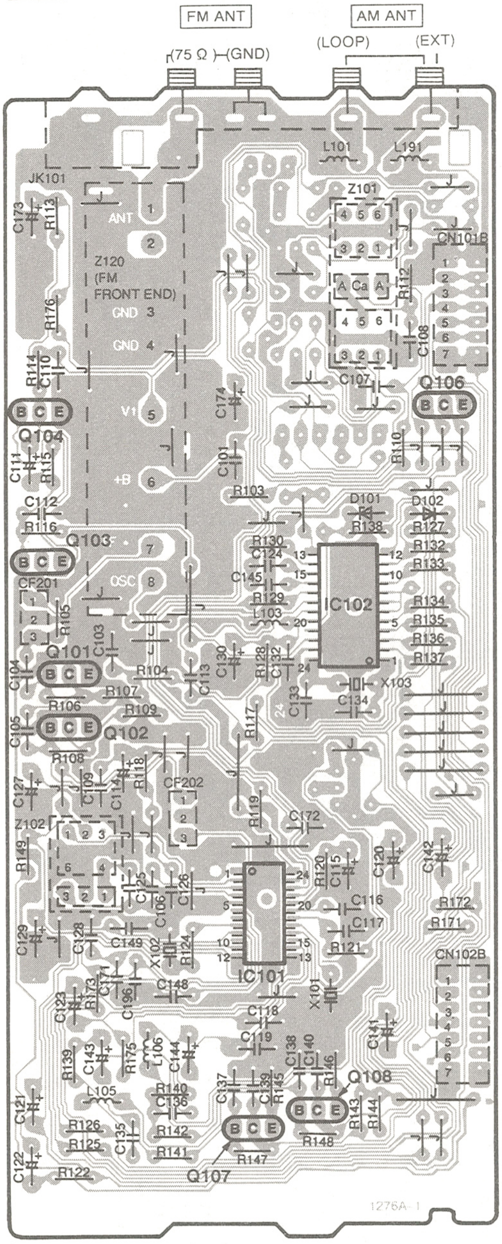

FM ANT 75Ω
AM ANT
(LOOP)
(EXT)
JK101
Q191
B C E
L101
L191
Z191
Z120 (FM FRONT END)
ANT 1
2
GND 3
GND 4
V1 5
+B 6
IF 7
OSC 8
CN101B
Q106
Q104
Q192
Q193
Q103
Q101
Q102
D101
D102
IC102
X103
CF201
CF202
L151
Z102
IC101
X101
X102
CN102B
Q110
Q108
Q107
CN501B
RDS ADJ. POINT
TP501
IC551
X551
D552
VR550
Q552
Q551
IC550
IC552
X552
X550
D551
D553
D550
Q550
1479A

A TUNER P.C.B. (REP2151A–T)
For [EG] area.

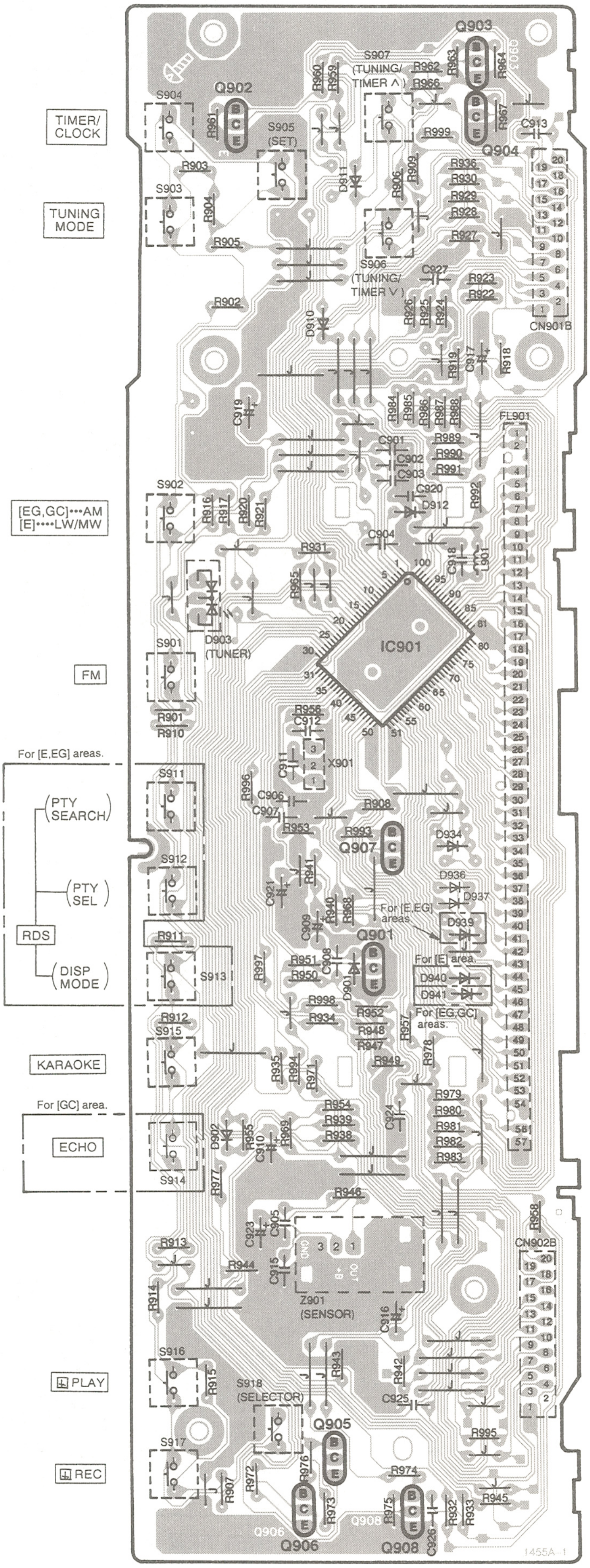

FM ANT 75Ω
AM ANT
(LOOP)
(EXT)
JK101
L101
L191
Z101
Z120 (FM FRONT END)
ANT 1
2
GND 3
GND 4
V1 5
+B 6
IF 7
OSC 8
CN101B
Q106
Q104
Q103
Q101
Q102
D101
D102
IC102
X103
CF201
CF202
L151
Z102
IC101
X101
X102
CN102B
Q110
Q108
Q107
CN501B
RDS ADJ. POINT
TP501
IC551
X551
D552
VR550
Q552
Q551
IC550
IC552
X552
X550
D551
D553
D550
Q550

A TUNER P.C.B. (REP1930E–T)

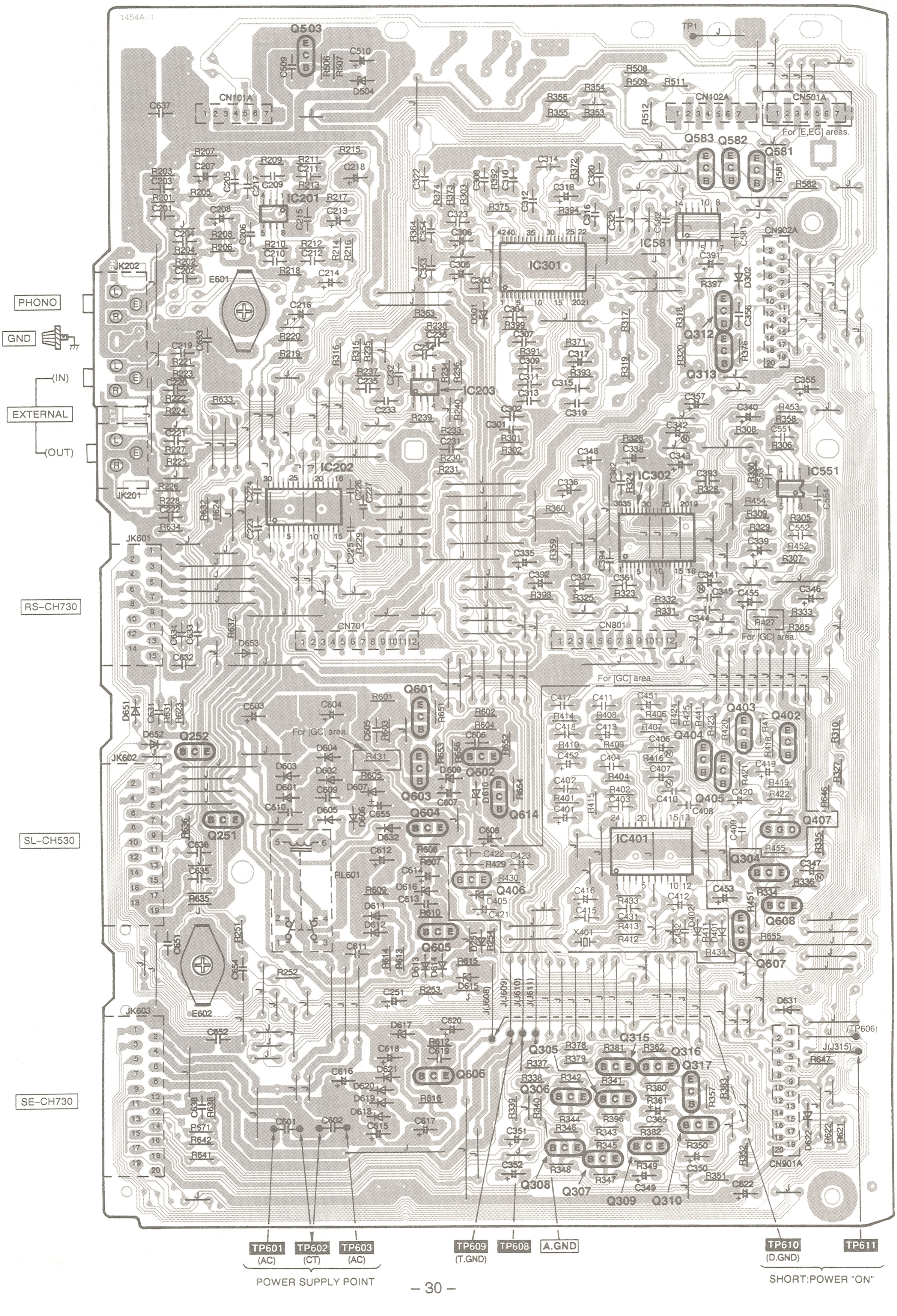
For [GC] area.


FM ANT
(75 Ω)
(GND)
AM ANT
(LOOP)
(EXT)
JK101
Z120 (FM FRONT END)
ANT
GND
V1
+B
OSC
Z101
Z102
L101
L191
CN101B
CN102B
IC101
IC102
Q101
Q102
Q103
Q104
Q106
Q107
Q108
CF201
CF202
X101
X102
X103
1276A-1

B OPERATION P.C.B. (REP2150E–S•••[E] REP2150F–S•••[EG] REP2150G–S•••[GC])

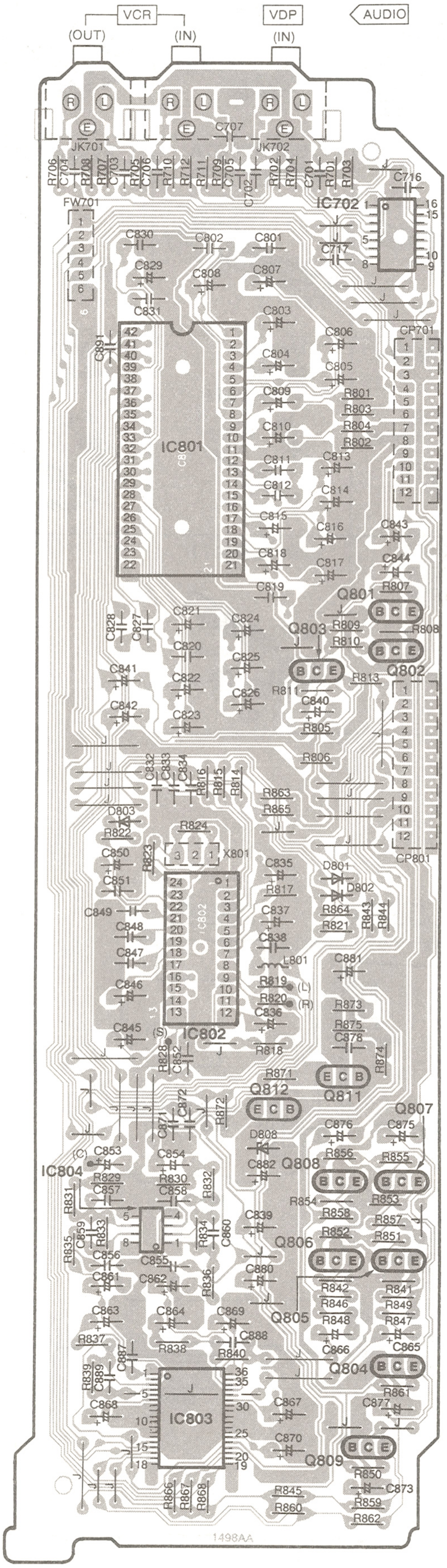

TIMER/ CLOCK
TUNING MODE
[EG,GC]•••AM [E]••••LW/MW
FM
For [E,EG] areas.
PTY SEARCH
PTY SEL
RDS
DISP MODE
KARAOKE
For [GC] area.
ECHO
PLAY
REC
S901
S902
S903
S904
S905 (SET)
S906 (TUNING/ TIMER ∨)
S907 (TUNING/ TIMER ∧)
S911
S912
S913
S914
S915
S916
S917
S918 (SELECTOR)
D903 (TUNER)
IC901
X901
FL901
CN901B
CN902B
Z901 (SENSOR)
Q901
Q902
Q903
Q904
Q905
Q906
Q907
Q908
For [E,EG] areas.
For [E] area.
For [EG,GC] areas.
1455A-1

C MAIN P.C.B. (REP2120E-M•••[E,EG] REP2120F-M•••[GC])

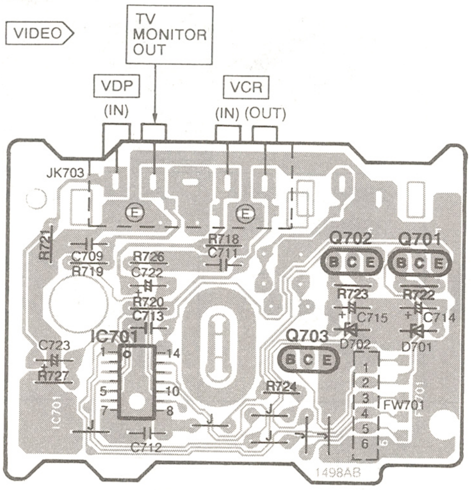

1454A-1
Q503
CN101A
CN102A
CN501A
For [E,EG] areas.
Q583
Q582
Q581
IC201
IC301
IC581
CN902A
PHONO
GND
(IN)
EXTERNAL
(OUT)
JK202
JK201
E601
IC203
Q312
Q313
IC202
IC302
IC551
JK601
RS-CH730
CN701
CN801
For [GC] area.
Q601
Q252
JK602
Q603
Q602
Q614
Q604
Q251
SL-CH530
IC401
Q403
Q402
Q404
Q405
Q407
Q304
Q406
RL601
Q608
Q607
Q605
E602
JK603
Q305
Q315
Q316
Q317
Q306
Q606
SE-CH730
Q308
Q307
Q309
Q310
CN901A
TP1
(TP606)
J(J315)
J(J608)
J(J609)
J(J610)
J(J611)
TP601
(AC)
TP602
(CT)
TP603
(AC)
POWER SUPPLY POINT
TP609
(T.GND)
TP608
A.GND
TP610
(D.GND)
TP611
SHORT:POWER "ON"

)

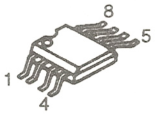
D DOLBY PRO LOGIC P.C.B. (REP2172A–T)

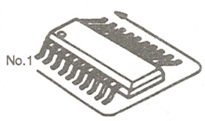

VCR
(OUT)
(IN)
VDP
(IN)
AUDIO
JK701
JK702
FW701
IC702
CP701
IC801
Q801
Q802
Q803
CP801
X801
IC802
Q811
Q812
Q807
Q808
IC804
Q806
Q805
Q804
IC803
Q809
1498AA

E VIDEO P.C.B. (REP2172A–T)


VIDEO
TV MONITOR OUT
VDP
(IN)
VCR
(IN) (OUT)
JK703
Q702
Q701
Q703
IC701
D702
D701
FW701
1498AB

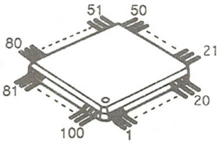
BA4558FDXT1



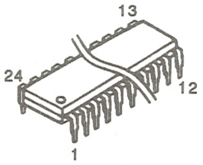


M5219FPTA	8Pin	LA1832MH-TEL	24Pin
AN6558SFE2	8Pin	LC7218M-TE-L	24Pin
MC14066BFEL	14Pin	M65843FPE1	24Pin
MA14052BFR2	16Pin	LC65104A4F75	30Pin
NJM2279MT2	16Pin	NJU7313AMT2	30Pin
LC7073M-TLM	18Pin	M62425FPE1	36Pin
LA2230M-TE-L	24Pin	M62422FPE1	42Pin

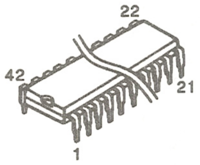
M38197MA118F


51
50
80
21
81
20
100
1

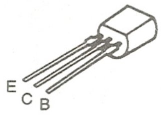
LV1010N



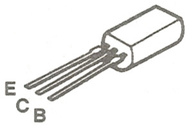
LA2785



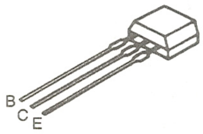
2SB621AQRSTA
2SD592ARSTA



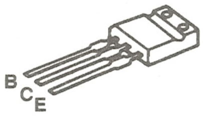
2SC3940AQSTA



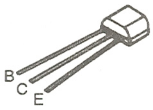
2SD2144S

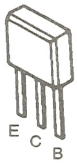


2SB1417PQTA
2SD2137PQTA



2SC3327ABTP

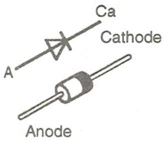




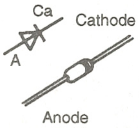
UN411FTA
UN4111
UN4115
UN4119
UN4211
UN4213AITA
UN4214TA

2SA1309A-R
2SC2785FE
2SC2787L
2SC3311A-Q
2SC3311ARSTA
2SD1450STA

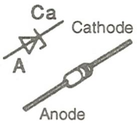
RL1N4003N02


Ca
Cathode
A
Anode

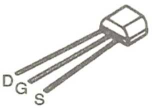
MA165
MA700TA
MA29WATA

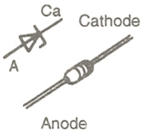

Ca
Cathode
A
Anode

MA4100MTA
MA4300M


Ca
Cathode
A
Anode

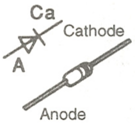
2SJ40CTA



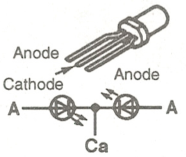

Ca
Cathode
A
Anode

MA4039MTA
MA4051-L
MA4051MTA
MA4056MTA
MA4062-H
MA4075HTA
MA4082LTA
MA4082MTA

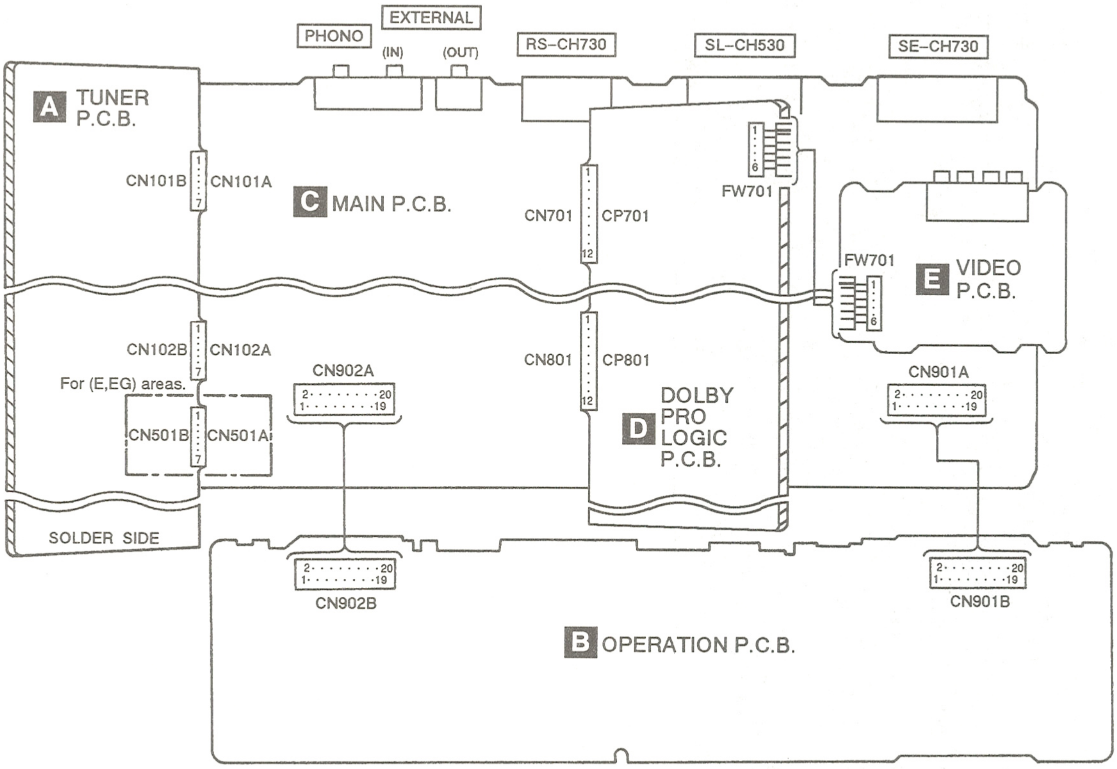
1SS291TA
MA185TA
MA719TA


Ca
Cathode
A
Anode

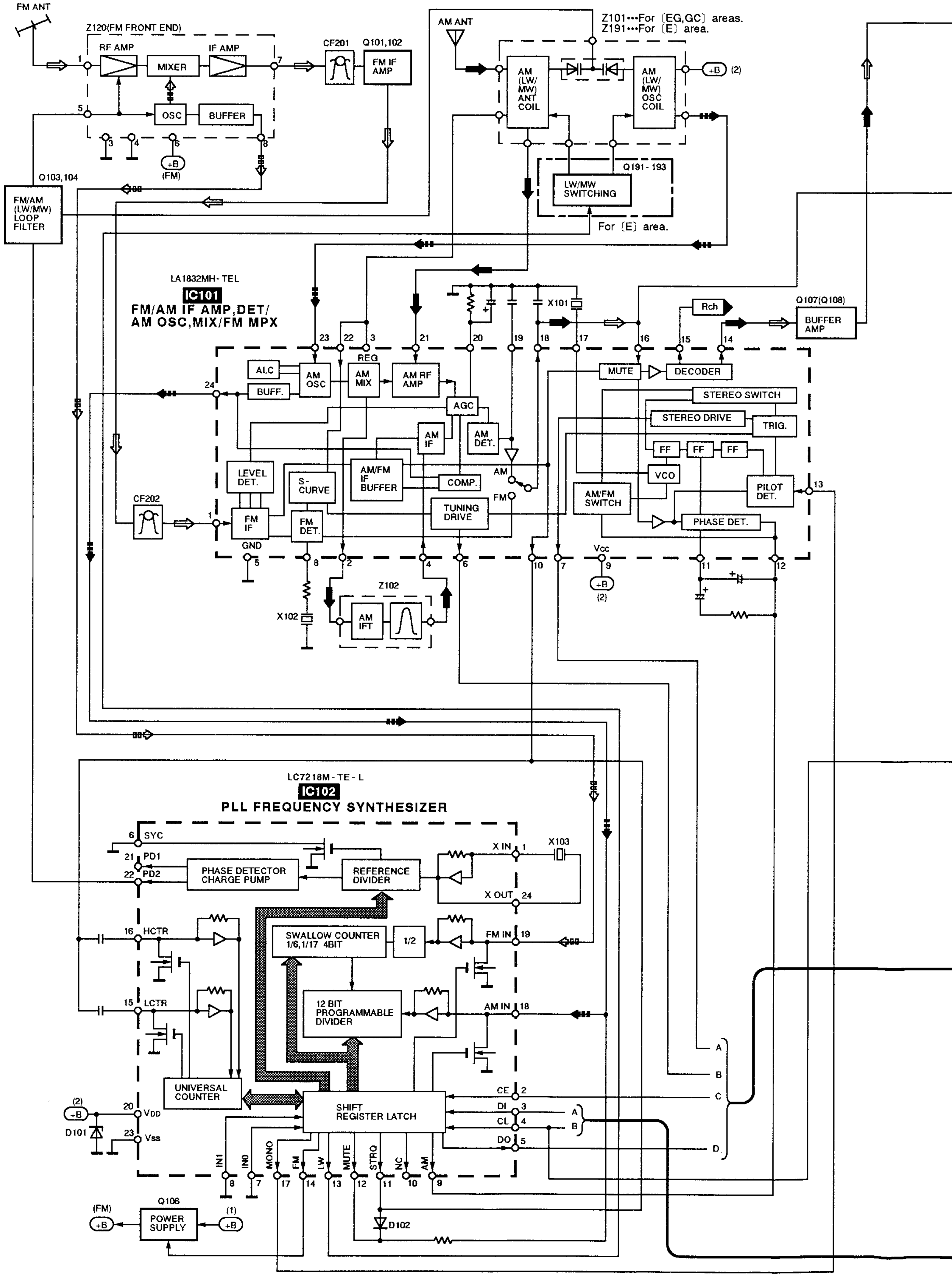
SPR505MDTT

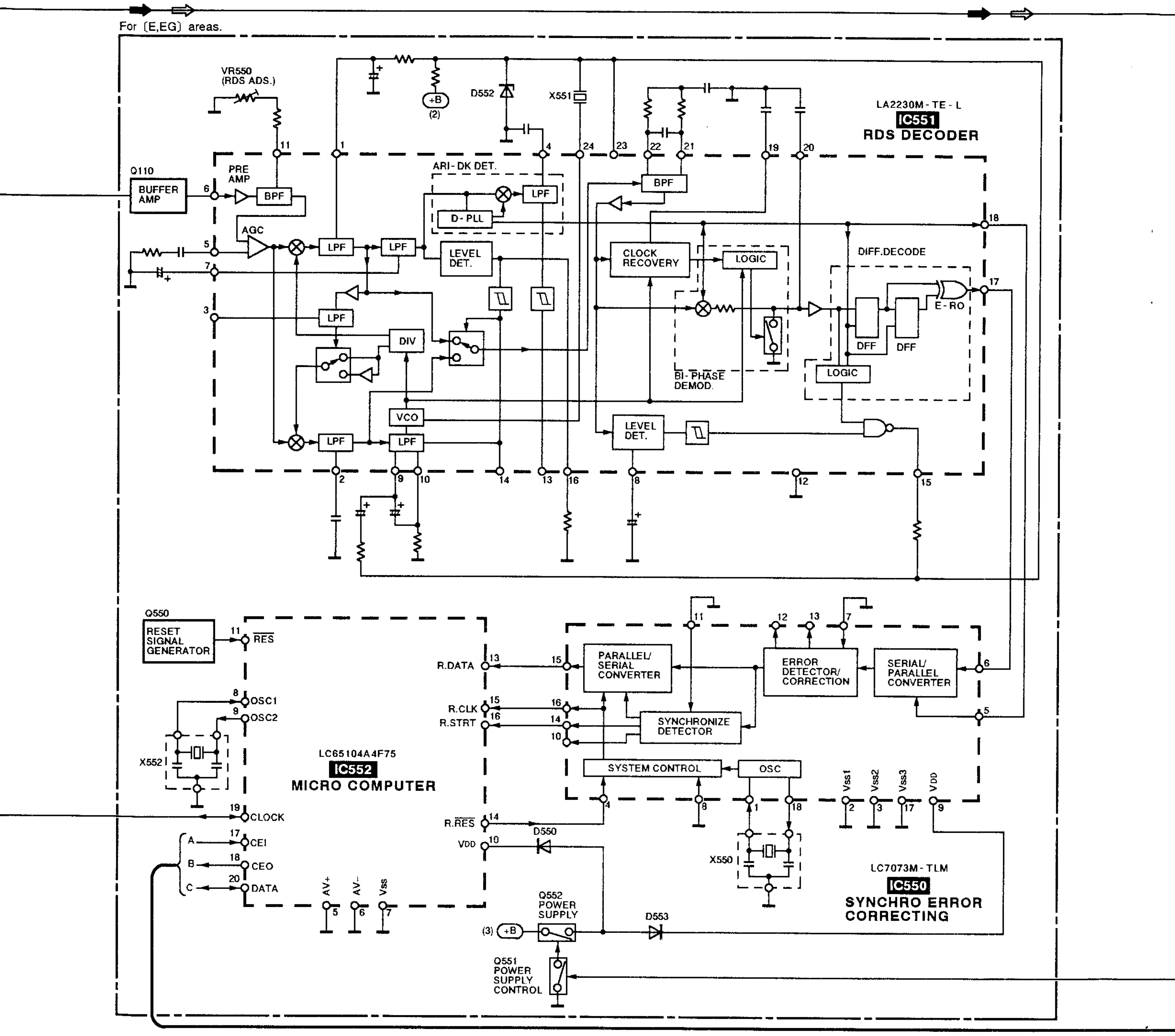

Anode
Cathode
Anode
A
A
Ca

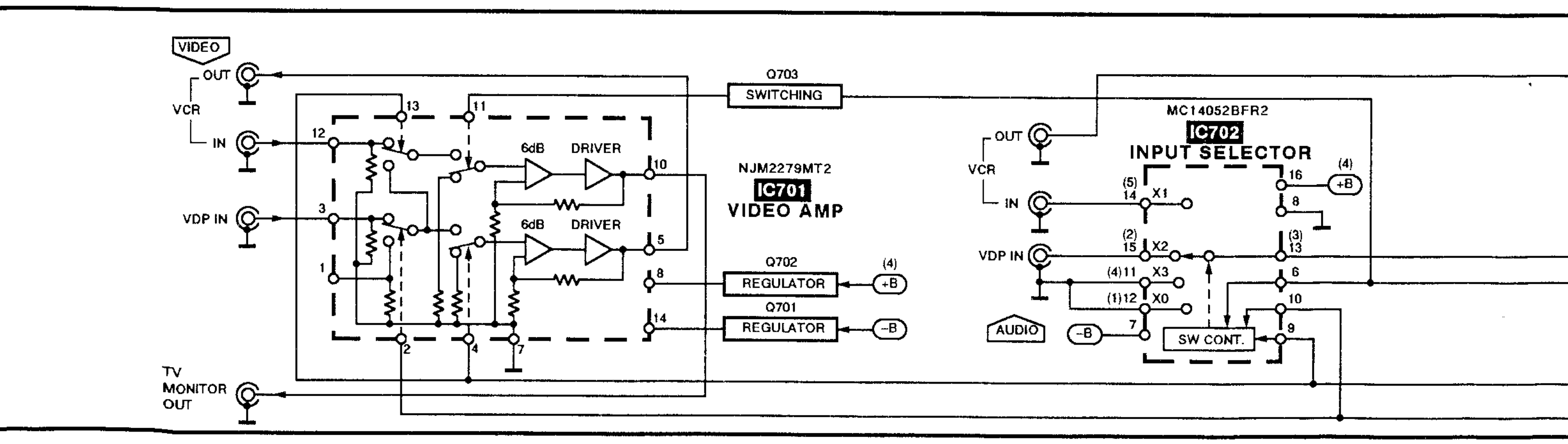
Wiring Connection Diagram

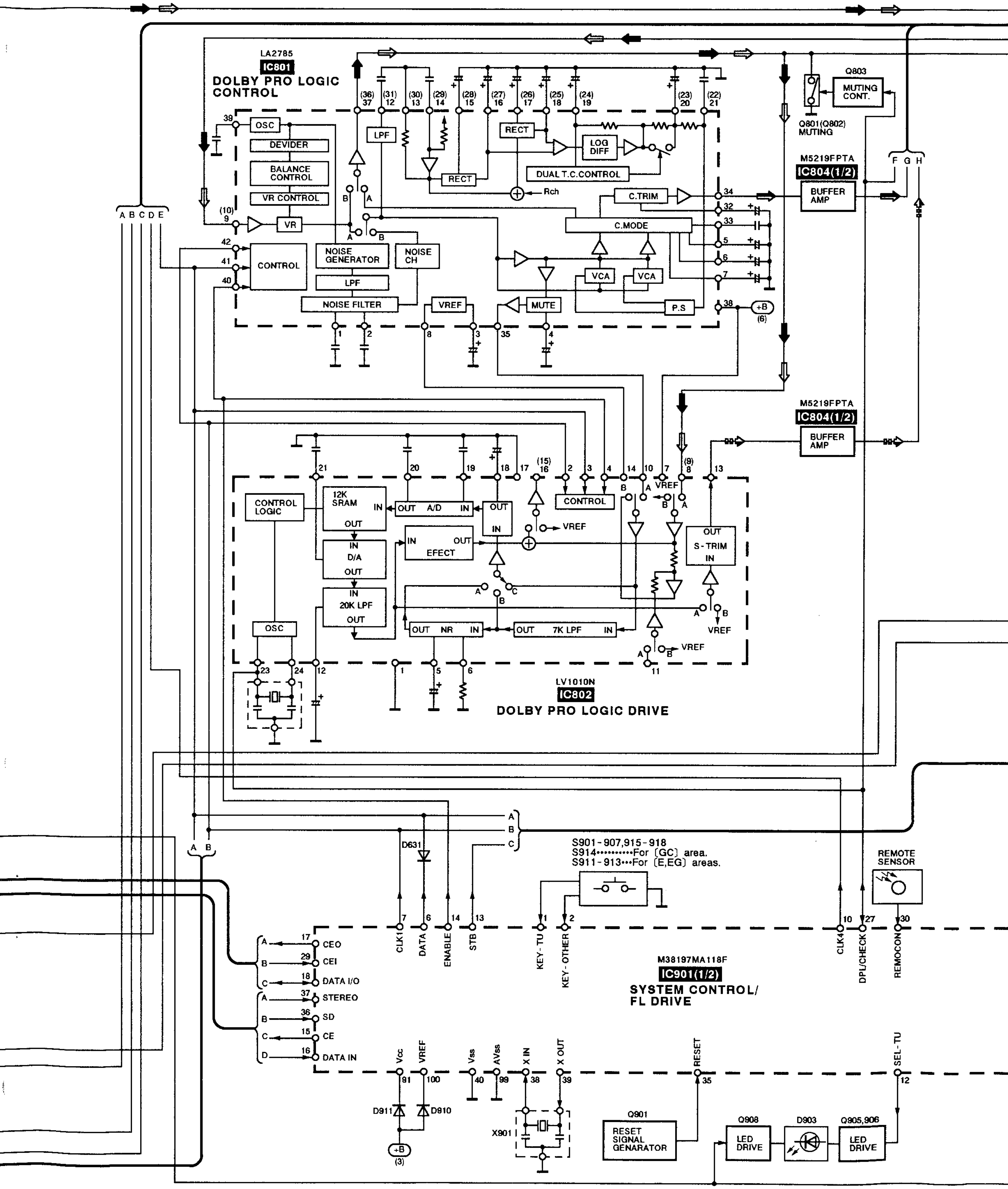

PHONO
EXTERNAL
(IN)
(OUT)
RS-CH730
SL-CH530
SE-CH730
A TUNER P.C.B.
CN101B
CN101A
C MAIN P.C.B.
CN701
CP701
FW701
FW701
E VIDEO P.C.B.
CN102B
CN102A
For (E,EG) areas.
CN501B
CN501A
CN902A
CN801
CP801
D DOLBY PRO LOGIC P.C.B.
CN901A
SOLDER SIDE
CN902B
CN901B
B OPERATION P.C.B.

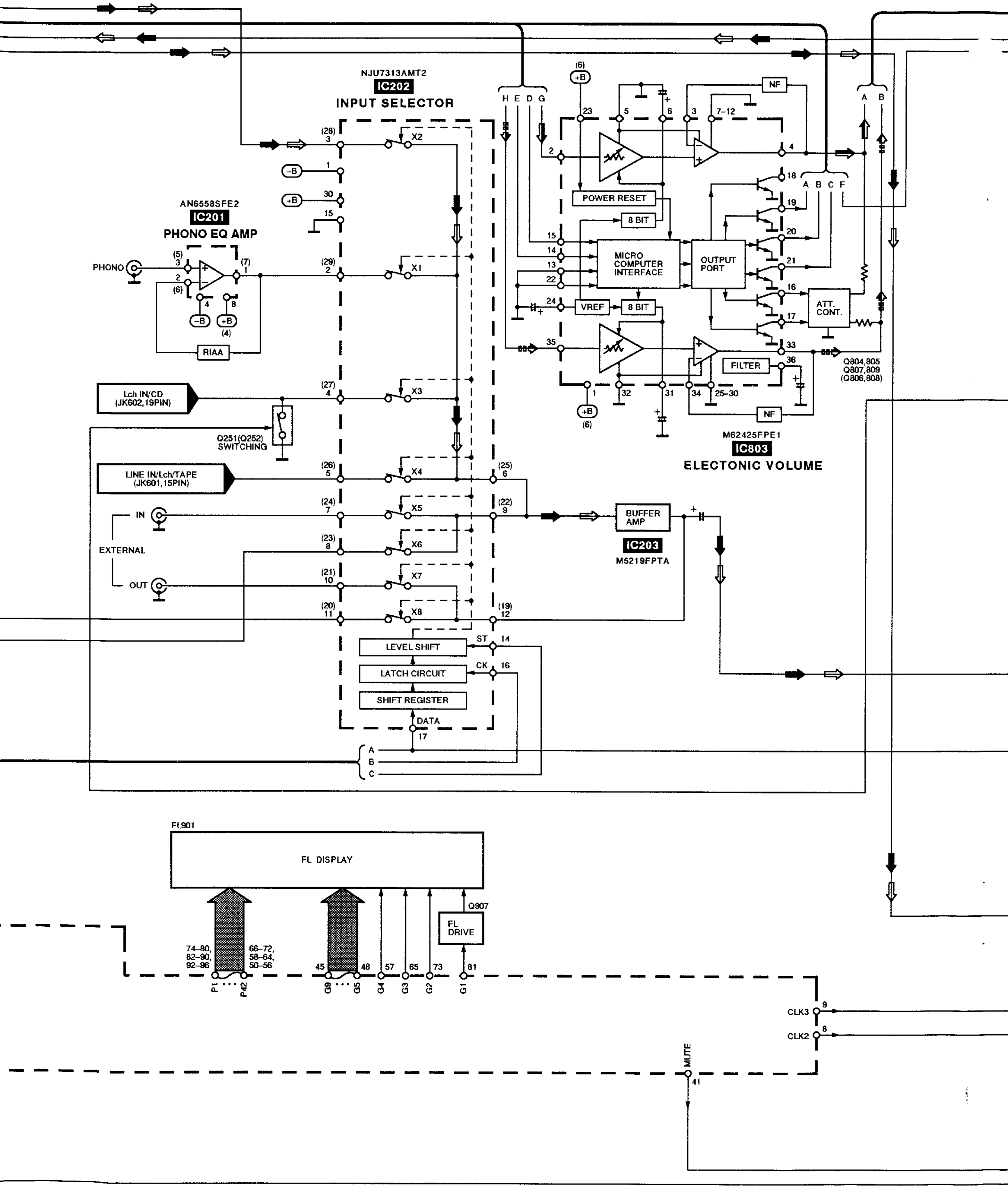
■ Block Diagram

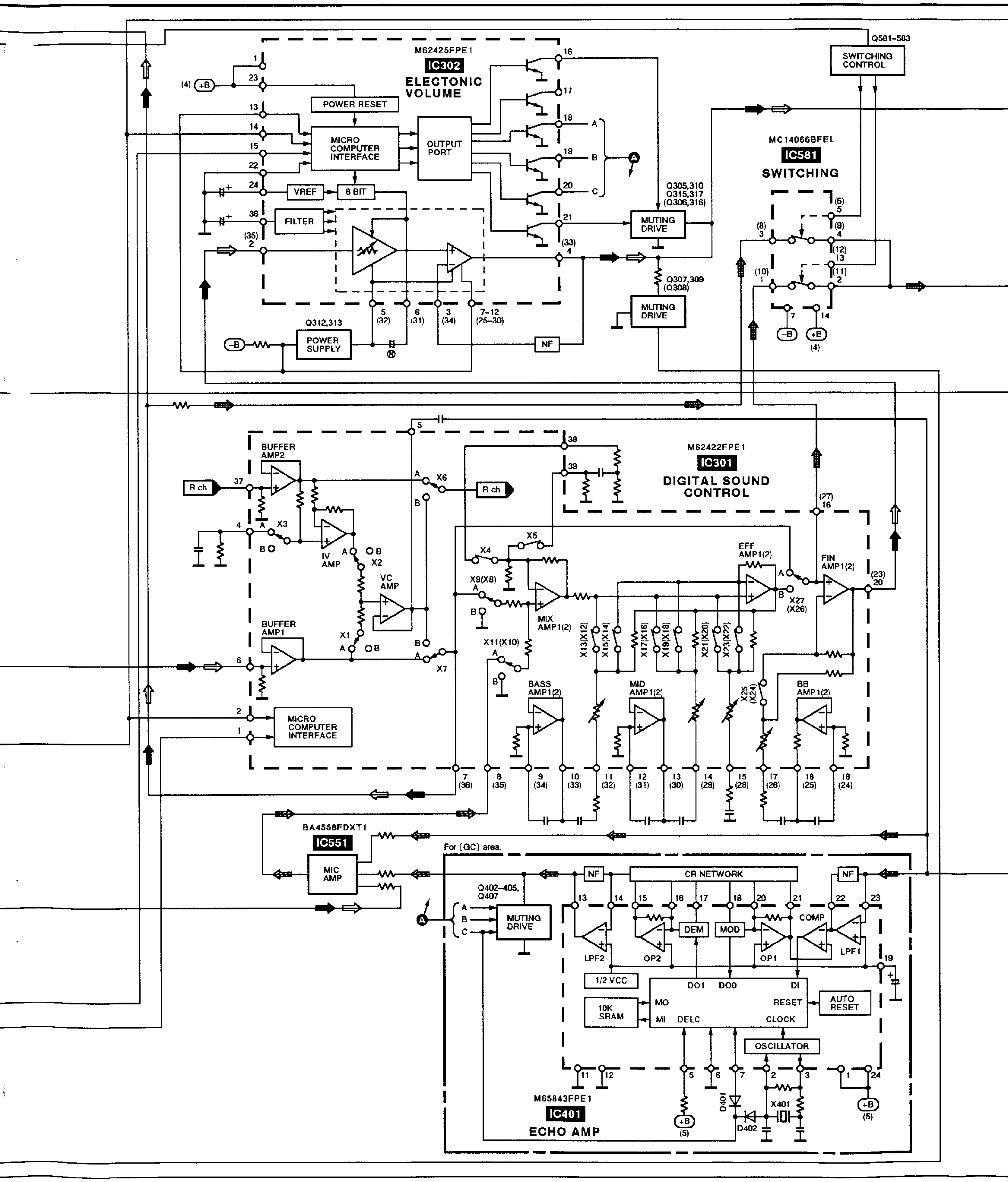

FM ANT
Z120(FM FRONT END)
RF AMP
MIXER
IF AMP
OSC
BUFFER
+B
(FM)
CF201
Q101,102
FM IF AMP
AM ANT
Z101···For 〔EG,GC〕 areas.
Z191···For 〔E〕 area.
AM (LW/ MW) ANT COIL
AM (LW/ MW) OSC COIL
+B
(2)
Q191 - 193
LW/MW SWITCHING
For 〔E〕 area.
Q103,104
FM/AM (LW/MW) LOOP FILTER
LA1832MH - TEL
IC101
FM/AM IF AMP,DET/ AM OSC,MIX/FM MPX
X101
Rch
Q107(Q108)
BUFFER AMP
REG
ALC
AM OSC
BUFF.
AM MIX
AM RF AMP
AGC
MUTE
DECODER
STEREO SWITCH
STEREO DRIVE
TRIG.
AM IF
AM DET.
FF
FF
FF
VCO
PILOT DET.
LEVEL DET.
S-CURVE
AM/FM IF BUFFER
COMP.
AM
FM
AM/FM SWITCH
PHASE DET.
CF202
FM IF
FM DET.
TUNING DRIVE
GND
Vcc
+B
(2)
Z102
X102
AM IFT
LC7218M - TE - L
IC102
PLL FREQUENCY SYNTHESIZER
SYC
PD1
PD2
PHASE DETECTOR CHARGE PUMP
REFERENCE DIVIDER
X IN
X OUT
X103
HCTR
SWALLOW COUNTER 1/6,1/17 4BIT
1/2
FM IN
LCTR
12 BIT PROGRAMMABLE DIVIDER
AM IN
UNIVERSAL COUNTER
SHIFT REGISTER LATCH
CE
DI
CL
DO
A
B
C
D
(2)
+B
VDD
D101
Vss
IN1
IN0
MONO
FM
LW
MUTE
STRQ
NC
AM
D102
Q106
(FM)
+B
POWER SUPPLY
(1)
+B

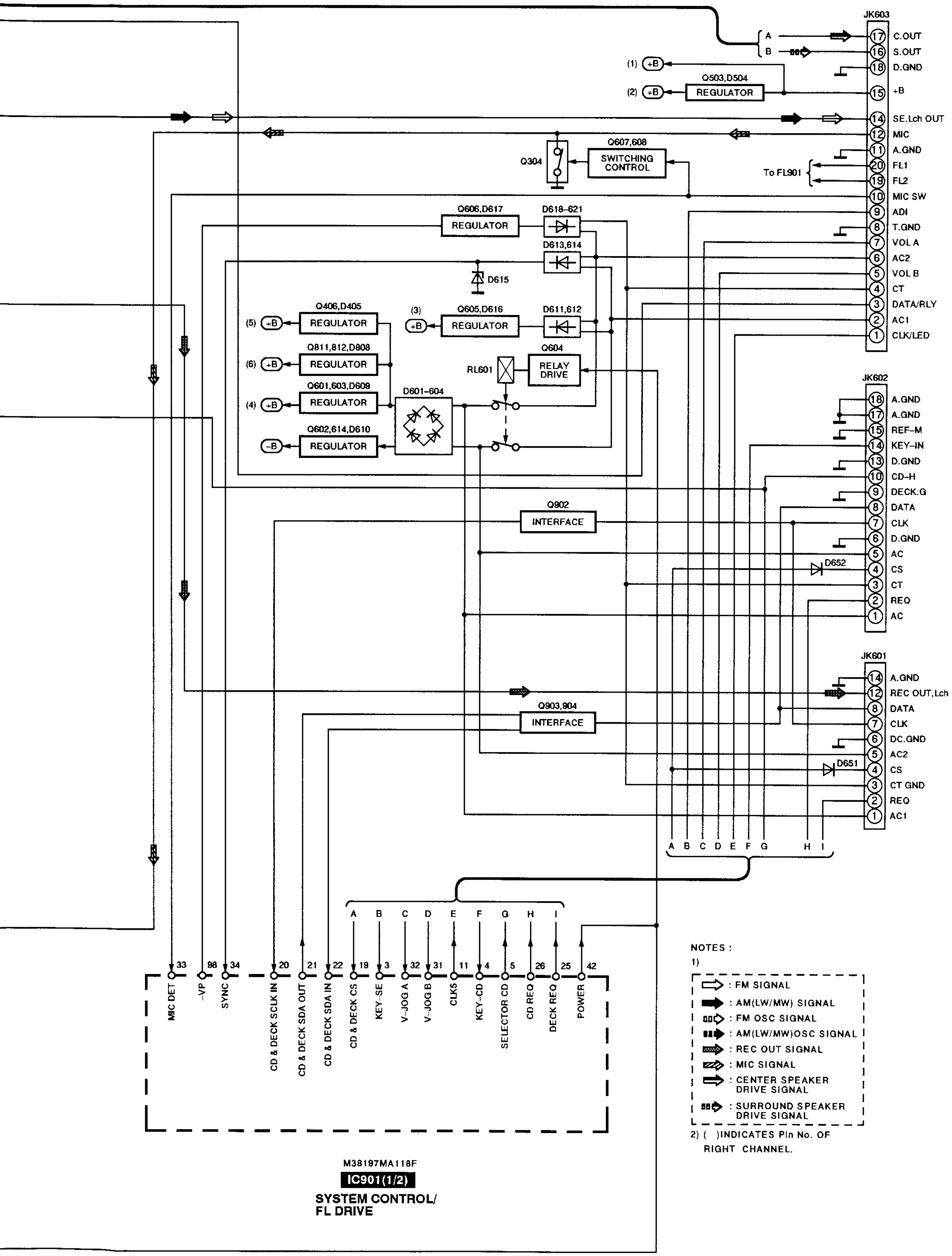

For (E,EG) areas.
VR550 (RDS ADS.)
+B (2)
D552
X551
LA2230M-TE-L
IC551
RDS DECODER
Q110
BUFFER AMP
PRE AMP
BPF
AGC
LPF
ARI-DK DET.
D-PLL
LEVEL DET.
CLOCK RECOVERY
LOGIC
DIFF.DECODE
DFF
E-RO
DIV
VCO
BI-PHASE DEMOD.
LEVEL DET.
Q550
RESET SIGNAL GENERATOR
RES
OSC1
OSC2
X552
LC65104A4F75
IC552
MICRO COMPUTER
CLOCK
CEI
CEO
DATA
A
B
C
AV+
AV-
Vss
R.DATA
R.CLK
R.STRT
R.RES
VDD
D550
PARALLEL/ SERIAL CONVERTER
ERROR DETECTOR/ CORRECTION
SERIAL/ PARALLEL CONVERTER
SYNCHRONIZE DETECTOR
SYSTEM CONTROL
OSC
Vss1
Vss2
Vss3
VDD
X550
LC7073M-TLM
IC550
SYNCHRO ERROR CORRECTING
Q552 POWER SUPPLY
(3) +B
D553
Q551 POWER SUPPLY CONTROL


VIDEO
OUT
VCR
IN
VDP IN
TV MONITOR OUT
Q703
SWITCHING
6dB
DRIVER
NJM2279MT2
IC701
VIDEO AMP
Q702
REGULATOR
(4) +B
Q701
REGULATOR
-B
MC14052BFR2
IC702
INPUT SELECTOR
OUT
VCR
IN
VDP IN
AUDIO
X1
X2
X3
X0
-B
SW CONT.
(4) +B


LA2785
IC801
DOLBY PRO LOGIC CONTROL
OSC
DEVIDER
BALANCE CONTROL
VR CONTROL
VR
CONTROL
NOISE GENERATOR
NOISE CH
LPF
NOISE FILTER
RECT
LOG DIFF
DUAL T.C.CONTROL
Rch
C.TRIM
C.MODE
VCA
P.S
MUTE
VREF
+B
(6)
Q803
MUTING CONT.
Q801(Q802)
MUTING
M5219FPTA
IC804(1/2)
BUFFER AMP
A B C D E
F G H
LV1010N
IC802
DOLBY PRO LOGIC DRIVE
CONTROL LOGIC
12K SRAM
A/D
D/A
20K LPF
EFECT
NR
7K LPF
S-TRIM
D631
S901-907,915-918
S914••••••••••For (GC) area.
S911-913•••For (E,EG) areas.
REMOTE SENSOR
CEO
CEI
DATA I/O
STEREO
SD
CE
DATA IN
CLK1
DATA
ENABLE
STB
KEY-TU
KEY-OTHER
CLK4
DPL/CHECK
REMOCON
M38197MA118F
IC901(1/2)
SYSTEM CONTROL/ FL DRIVE
Vcc
VREF
Vss
AVss
X IN
X OUT
RESET
SEL-TU
D911
D910
+B
(3)
X901
Q901
RESET SIGNAL GENARATOR
Q908
LED DRIVE
D903
Q905,906
LED DRIVE


NJU7313AMT2
IC202
INPUT SELECTOR
AN6558SFE2
IC201
PHONO EQ AMP
PHONO
RIAA
Lch IN/CD (JK602,19PIN)
Q251(Q252) SWITCHING
LINE IN/Lch/TAPE (JK601,15PIN)
IN
EXTERNAL
OUT
X1
X2
X3
X4
X5
X6
X7
X8
LEVEL SHIFT
LATCH CIRCUIT
SHIFT REGISTER
DATA
ST
CK
BUFFER AMP
IC203
M5219FPTA
H E D G
A B C F
A B
POWER RESET
8 BIT
MICRO COMPUTER INTERFACE
OUTPUT PORT
VREF
8 BIT
NF
FILTER
NF
ATT. CONT.
Q804,805 Q807,809 (Q806,808)
M62425FPE1
IC803
ELECTONIC VOLUME
-B
+B
FL901
FL DISPLAY
Q907
FL DRIVE
74–80, 82–90, 92–96
66–72, 58–64, 50–56
P1 ··· P42
G9 ··· G5
G4
G3
G2
G1
45
48
57
65
73
81
CLK3
CLK2
MUTE
41


M62425FPE1
IC302
ELECTONIC VOLUME
POWER RESET
MICRO COMPUTER INTERFACE
OUTPUT PORT
VREF
8 BIT
FILTER
Q312,313
POWER SUPPLY
NF
Q305,310
Q315,317
(Q306,316)
MUTING DRIVE
Q307,309
(Q308)
MUTING DRIVE
Q581–583
SWITCHING CONTROL
MC14066BFEL
IC581
SWITCHING
M62422FPE1
IC301
DIGITAL SOUND CONTROL
BUFFER AMP2
BUFFER AMP1
R ch
IV AMP
VC AMP
MIX AMP1(2)
EFF AMP1(2)
FIN AMP1(2)
BASS AMP1(2)
MID AMP1(2)
BB AMP1(2)
MICRO COMPUTER INTERFACE
X1
X2
X3
X4
X5
X6
X7
X9(X8)
X11(X10)
X13(X12)
X15(X14)
X17(X16)
X19(X18)
X21(X20)
X23(X22)
X25(X24)
X27(X26)
BA4558FDXT1
IC551
MIC AMP
For (GC) area.
Q402–405,
Q407
MUTING DRIVE
CR NETWORK
NF
LPF2
OP2
DEM
MOD
OP1
COMP
LPF1
1/2 VCC
10K SRAM
MO
MI
DELC
DO1
DO0
DI
RESET
CLOCK
AUTO RESET
OSCILLATOR
D401
D402
X401
M65843FPE1
IC401
ECHO AMP
(4) +B
-B
+B
(5)
A
B
C


JK603
A
B
(17) C.OUT
(16) S.OUT
(18) D.GND
(1) +B
(2) +B
Q503,D504
REGULATOR
(15) +B
(14) SE.Lch OUT
(12) MIC
Q607,608
SWITCHING CONTROL
Q304
(11) A.GND
To FL901
(20) FL1
(19) FL2
(10) MIC SW
(9) ADI
(8) T.GND
(7) VOL A
(6) AC2
(5) VOL B
(4) CT
(3) DATA/RLY
(2) AC1
(1) CLK/LED
Q606,D617
REGULATOR
D618–621
D613,614
D615
Q406,D405
(5) +B
REGULATOR
(3) +B
Q605,D616
REGULATOR
D611,612
Q811,812,D808
(6) +B
REGULATOR
Q604
RL601
RELAY DRIVE
Q601,603,D609
(4) +B
REGULATOR
D601–604
Q602,614,D610
–B
REGULATOR
JK602
(18) A.GND
(17) A.GND
(15) REF–M
(14) KEY–IN
(13) D.GND
(10) CD–H
(9) DECK.G
(8) DATA
(7) CLK
(6) D.GND
(5) AC
(4) CS
(3) CT
(2) REQ
(1) AC
Q902
INTERFACE
D652
JK601
(14) A.GND
(12) REC OUT,Lch
(8) DATA
(7) CLK
(6) DC.GND
(5) AC2
(4) CS
(3) CT GND
(2) REQ
(1) AC1
Q903,904
INTERFACE
D651
A B C D E F G H I
A B C D E F G H I
33 MIC DET
98 –VP
34 SYNC
20 CD & DECK SCLK IN
21 CD & DECK SDA OUT
22 CD & DECK SDA IN
19 CD & DECK CS
3 KEY–SE
32 V–JOG A
31 V–JOG B
11 CLK5
4 KEY–CD
5 SELECTOR CD
26 CD REQ
25 DECK REQ
42 POWER
M38197MA118F
IC901(1/2)
SYSTEM CONTROL/ FL DRIVE

NOTES :

1)

⇨ : FM SIGNAL

➡ : AM(LW/MW) SIGNAL

⇨ : FM OSC SIGNAL

➡ : AM(LW/MW)OSC SIGNAL

➡ : REC OUT SIGNAL

⇨ : MIC SIGNAL

⇨ : CENTER SPEAKER DRIVE SIGNAL

⇨ : SURROUND SPEAKER DRIVE SIGNAL

2) ( )INDICATES PIn No. OF RIGHT CHANNEL.

■ Function of IC Terminals

● IC901 (M38197MA118F)

Pin No.	Terminal Name	I/O	Function
1	KEY-TU	I	Tuner operation switch signal input
2	KEY-OTHER	I	Other operation switch signal input
3	KEY-SE	I	SE-CH730 operation switch signal input
4	KEY-CD	I	SL-CH530 operation switch signal input
5	SELECTOR CD	O	SL-CH530 power control signal output
6	DATA	O	Data output for NJU7313, M62422, M62425, LC7218, LA2785 and LV1011
7	CLK1	O	Clock output for NJU7313, LC7218, LA2785, LV1011 and LC65104
8	CLK2	O	Clock output for M62422 (Digitalsound controller)
9	CLK3	O	Clock output for M62425 (Main volume)
10	CLK4	O	Clock output for M62425 (Surround volume)
11	CLK5	O	LED (D601, D602) (SE-CH730) drive signal output
12	SEL_TU	O	LED (D903-TUNER ON) drive signal output
13	STB	O	STB signal output for NJU7313
14	ENABLE	O	Enable signal output for LA2785 and LV1011
15	CE	O	Chip enable signal output for LC7218
16	DATA IN	I	Data input from LC7218
17	CEO	O	Serial data output terminal for (E) and (EG) area only
18	DATA I/O	I/O	Serial data input/output terminal for (E) and (EG) area only
19	CD & DECK CS	I	Serial data communication starting signal input
20	CD & DECK SCLK IN	I	Serial clock input
21	CD & DECK SDA OUT	O	Serial data output
22	CD & DECK SDA IN	I	Serial data intput
23	V RST	—	Not used
24	CDGM	—	Not used
25	DECK REQ	O	RS-CH730 request signal output
26	CD REQ	O	SL-CH530 request signal output
27	DPL & CHECK	I/O	Clock check signal
28	CR TIMER	I/O	Capacitor and resistor oscillation terminal
29	CEI	I	Serial data input terminal for (EG) area only
30	REMOCON	I	Remote control signal input
31	V-JOGB	I	Volume control signal input
32	V-JOGA	I	

Pin No.	Terminal Name	I/O	Function
33	MIC DET	I	Microphone connecting detect signal input
34	SYNC	I	AC power source input terminal
35	RESET	I	Reset signal input
36	SD	I	SD signal input for tuner circuit
37	STEREO	I	STEREO signal input for tuner circuit
38	X IN	I	Connected to the ceramic oscillator
39	X OUT	O	
40	Vss	—	GND terminal
41	MUTE	O	Muting signal output
42	POWER	O	Power control signal output
43	TU-JOGB	I	Not used
44	TU-JOGA	I	
45~49	G9 ~ G5	O	Grid signal output
50~56	P42 ~ P36	O	Segment signal output
57	G4	O	Grid signal output
58~64	P35 ~ P29	O	Segment signal output
65	G3	O	Grid signal output
66~72	P28 ~ P22	O	Segment signal output
73	G2	O	Grid signal output
74~80	P21 ~ P15	O	Segment signal output
81	G1	O	Grid signal output
82~90	P14 ~ P6	O	Segment signal output
91	VCC	—	Power supply (+5V)
92~96	P5 ~ P1	O	Segment signal output
97	CS	I	Scan signal input
98	-VP	—	Negative power supply
99	AVSS	—	Connect to GND
100	VREF	—	Reference voltage input

● **IC552 (LC65104A4F75)** for (E) and (EG) areas

Pin No.	Terminal Name	I/O	Function
1	PB0	—	Not used
2	PB1	—	Not used
3	PB2	—	Not used
4	PB3	—	Not used
5	AV +	—	Not used
6	AV -	—	Not used
7	VSS	—	GND terminal
8	OSC1	I	Oscillating terminal (f = 4 MHz)
9	OSC2	O	Oscillating terminal (f = 4 MHz)
10	VDD	—	+5 V
11	/RES	I	Reset signal input
12	TEST	—	Not used
13	R. DATA	I	RDS data signal input
14	/R. RST	O	RDS reset signal output
15	R. CLK	I	RDS clock signal input
16	R. STRT	I	RDS start signal input
17	CEI	I	Serial data input detection terminal
18	CEO	O	Serial data output detection terminal
19	CLK	I/O	Serial clock input/output terminal
20	DATA	I/O	Serial data input/output terminal
21	PD0	—	Not used
22	PD1	—	Not used
23	PD2	—	Not used
24	PD3	—	Not used
25	PE0	—	Not used
26	PE1	—	Not used
27	SSL	—	Not used
28	PA1	—	Not used
29	PA2	—	Not used
30	PA3	—	Not used

■ Replacement Parts List

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.

For (E) and (EG) areas

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	LA1832MH-TEL	IC, FM/AM IF AMP.	
IC102	LC7218M-TE-L	IC, PLL FREQ. SYNTHESIZER	
IC201	AN6558SFE2	IC, PHONO EQ AMP	
IC202	NJU7313AMT2	IC, INPUT SELECTOR	
IC203	M5219FPTA	IC, BUFFER AMP	
IC301	M62422FPE1	IC, DIGITAL SOUND CONT.	
IC302	M62425FPE1	IC, ELECTONIC VOLUME	
IC550	LC7073M-TLM	IC, SYNCHRO ERROR CORRECTING	
IC551	BA4558FDXT1	IC, MIC AMP	
IC551	LA2230M-TE-L	IC, RDS DECODER	
IC552	LC65104A4F75	IC, MICRO COMPUTER	
IC581	MC14066BFEL	IC, SWITCHING	
IC701	NJM2279MT2	IC, VIDEO AMP	
IC702	MC14052BFR2	IC, INPUT SELECTOR	
IC801	LA2785	IC, DOLBY PRO LOGIC CONTROL	
IC802	LV1010N	IC, DOLBY PRO LOGIC DRIVE	
IC803	M62425FPE1	IC, ELECTONIC VOLUME	
IC804	M5219FPTA	IC, BUFFER AMP	
IC901	M38197MA118F	IC, SYSTEM CONTROL/FL DRIVE	
		TRANSISTOR(S)	
Q101, 102	2SC2787L	TRANSISTOR	
Q103, 104	2SC2785FE	TRANSISTOR	
Q106	UN4111	TRANSISTOR	
Q107, 108	2SC3311ARSTA	TRANSISTOR	
Q110	2SC3311ARSTA	TRANSISTOR	
Q191-193	2SC3311ARSTA	TRANSISTOR	(E)
Q251, 252	2SD2144S	TRANSISTOR	
Q304	2SD2144S	TRANSISTOR	
Q305, 306	2SC3311A-Q	TRANSISTOR	
Q307, 308	2SD2144S	TRANSISTOR	
Q309, 310	UN4115	TRANSISTOR	
Q312, 313	2SA1309A-R	TRANSISTOR	
Q315, 316	2SC3311A-Q	TRANSISTOR	
Q317	UN4115	TRANSISTOR	
Q503	2SC3940AQSTA	TRANSISTOR	⚠
Q550, 551	UN4211	TRANSISTOR	
Q552	UN4111	TRANSISTOR	
Q581	UN4211	TRANSISTOR	
Q582	UN4111	TRANSISTOR	
Q583	UN4211	TRANSISTOR	
Q601	2SD2137PQTA	TRANSISTOR	⚠
Q602	2SB1417PQTA	TRANSISTOR	⚠
Q603	2SD2137PQTA	TRANSISTOR	⚠
Q604	2SD2144S	TRANSISTOR	
Q605	2SD2137PQTA	TRANSISTOR	⚠
Q606	2SB621A-R	TRANSISTOR	⚠
Q607	UN4213AITA	TRANSISTOR	
Q608	UN4111	TRANSISTOR	
Q614	2SB1417PQTA	TRANSISTOR	⚠
Q701	2SB621A-R	TRANSISTOR	⚠
Q702	2SD592ARSTA	TRANSISTOR	⚠
Q703	UN4211	TRANSISTOR	
Q801, 802	2SD1450RTA	TRANSISTOR	
Q803, 804	UN4115	TRANSISTOR	
Q805, 806	2SD1450RTA	TRANSISTOR	
Q807, 808	2SC3327-A	TRANSISTOR	
Q809	UN4115	TRANSISTOR	
Q811, 812	2SD2137PQTA	TRANSISTOR	⚠
Q901	UN4214TA	TRANSISTOR	
Q902-904	2SC3311A-Q	TRANSISTOR	
Q905	UN411FTA	TRANSISTOR	
Q906	2SC3311A-Q	TRANSISTOR	
Q907	UN4119	TRANSISTOR	
Q908	2SD2144S	TRANSISTOR	
		DIODE(S)	
D101	MA4051MTA	DIODE	⚠
D102	MA165	DIODE	
D251	MA29WA	DIODE	
D301	MA4051-L	DIODE	⚠
D302	MA165	DIODE	
D504	MA4082MTA	DIODE	⚠
D550, 551	MA165	DIODE	
D552	MA4051MTA	DIODE	⚠
D553	MA165	DIODE	
D601-604	RL1N4003N02	DIODE	⚠
D605	MA165	DIODE	
D606, 607	MA719TA	DIODE	
D609	MA4075HTA	DIODE	⚠
D610	MA4082LTA	DIODE	⚠
D611, 612	RL1N4003N02	DIODE	⚠
D613, 614	MA185TA	DIODE	⚠
D615	MA4051MTA	DIODE	⚠
D616	MA4062-H	DIODE	⚠
D617	MA4300M	DIODE	⚠
D618-621	MA185TA	DIODE	⚠
D622	MA4039MTA	DIODE	⚠
D631	MA700TA	DIODE	
D632	MA165	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D651, 652	MA165	DIODE	
D653	MA719TA	DIODE	
D701, 702	MA4056MTA	DIODE	⚠
D801-803	MA165	DIODE	
D808	MA4100MTA	DIODE	⚠
D901, 902	MA165	DIODE	
D903	SPR505MDTT	LED	
D910-912	1SS291TA	DIODE	
D934	MA165	DIODE	
D936, 937	MA165	DIODE	
D939	MA165	DIODE	
D940	MA165	DIODE	(E)
D941	MA165	DIODE	(EG)
		VARIABLE RESISTOR(S)	
VR550	EVNDCBA03B53	V. R, RDS ADJ.	
		COMPONENT COMBINATION(S)	
Z101	RLA2Z002M-T	COMPONENT COMBINATION	(EG)
Z102	RLI2Z006M-T	COMPONENT COMBINATION	
Z120	RAL0019	FM FRONT END	
Z191	RLA6Z005M-T	COMPONENT COMBINATION	(E)
Z901	RCDHC-278N	REMOTE SENSOR	
		COIL(S)	
L101	ELESNR68MA	COIL	
L103	ELEXTR47MA9	COIL	
L104	ELEXT1R0KA9	COIL	
L105, 106	ELELN822KL	COIL	
L151	SLM1B10M-1M	COIL	
L191	ELESNR68MA	COIL	
L550-552	ELEXT101KA9	COIL	
L801	ELESN101KA	COIL	
L901	RLQA100JT-Y	COIL	
		FILTER(S)	
CF201	RLFFETNGD01L	CERAMIC FILTER	
CF202	RLFFETMGD01L	CERAMIC FILTER	
		OSCILLATOR(S)	
X101	RSXZ456KM07M	OSCILLATOR(456KHz)	
X102	RLFDGT05DD	OSCILLATOR(10. 65MHz)	
X103	RSXC7M20S05T	OSCILLATOR(7. 2MHz)	
X550	RVBCST4R00MT	OSCILLATOR(4MHz)	
X551	RSXZ456KM07M	OSCILLATOR(456KHz)	
X552	RVBCST4R00MT	OSCILLATOR(4MHz)	
X801	EF0EC8004T4	OSCILLATOR(8MHz)	
X901	RSXC4M19S02T	OSCILLATOR(4. 19MHz)	
		DISPLAY TUBE	
FL901	RSL0206-F	DISPLAY TUBE	

Ref. No.	Part No.	Part Name & Description	Remarks
		SWITCH(ES)	
S901	EVQ21405R	SW, FM	
S902	EVQ21405R	SW, LW/MW	
S903	EVQ21405R	SW, TUNING MODE	
S904	EVQ21405R	SW, TIMER CLOCK	
S905	EVQ21405R	SW, SET	
S906	EVQ21405R	SW, TUNING/TIMER	
S907	EVQ21405R	SW, TUNING/TIMER	
S911	EVQ21405R	1SW, PTY SEARCH	
S912	EVQ21405R	SW, PTY SEL	
S913	EVQ21405R	SW, DISP MODE	
S915	EVQ21405R	SW, KARAOKE	
S916	EVQ21405R	SW, PLAY	
S917	EVQ21405R	SW, REC	
S918	EVQ21405R	SW, SELECTOR	
		CONNECTOR(S)	
CN701	RJT057W012-1	CONNECTOR(12P)	
CN801	RJT057W012-1	CONNECTOR(12P)	
CN101A	RJT057W007-1	CONNECTOR(7P)	
CN102A	RJT057W007-1	CONNECTOR(7P)	
CN501A	RJT057W007-1	CONNECTOR(7P)	
CN901A	RJS1A6820	CONNECTOR(20P)	
CN902A	RJS1A6820	CONNECTOR(20P)	
CN101B	RJU057W007	CONNECTOR(7P)	
CN102B	RJU057W007	CONNECTOR(7P)	
CN501B	RJU057W007	CONNECTOR(7P)	
CN901B	RJS1A6820	CONNECTOR(20P)	
CN902B	RJS1A6820	CONNECTOR(20P)	
CP701	RJU057W012	CONNECTOR(12P)	
CP801	RJU057W012	CONNECTOR(12P)	
		GND PLATE	
E601, 602	SNE1004-2	GND PLATE	
		RELAY	
RL601	RSY0017M-0	RELAY	⚠
		JACK(S)	
JK101	RJH5210M	EXT ANT	
JK201	SJF3068-7N	EXT OUT	
JK202	SJF3069-5N	EXT IN/PHONO	
JK601	RJT065K15	CONNECTOR(15P)	
JK602	RJT065K19	CONNECTOR(19P)	
JK603	RJT065K20	CONNECTOR(20P)	
JK701	SJF3068-7N	VCR OUT	
JK702	SJF3069-5N	VDP IN/VCR IN	
JK703	SJF3069-3N	VDP IN/VCR/TV MONITOR OUT	

For (E) and (EG) areas

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R103	ERDS2TJ101	1/4W 100
R104	ERDS2TJ103	1/4W 10K
R105	ERDS2TJ471	1/4W 470
R106	ERDS2TJ474	1/4W 470K
R107	ERDS2TJ331	1/4W 330
R108	ERDS2TJ474	1/4W 470K
R109	ERDS2TJ331	1/4W 330
R110	ERDS2TJ102	1/4W 1K
R112	ERDS2TJ104	1/4W 100K
R113	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K
R115	ERDS2TJ561	1/4W 560
R116	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ823T	1/4W 82K
R118	ERDS2TJ562	1/4W 5.6K
R119	ERDS2TJ183T	1/4W 18K
R120	ERDS2TJ473	1/4W 47K
R121	ERDS2TJ332	1/4W 3.3K
R122	ERDS2TJ272T	1/4W 2.7K
R124	ERDS2TJ271	1/4W 270
R125, 126	ERDS2TJ152	1/4W 1.5K
R127	ERDS2TJ103	1/4W 10K
R128	ERDS2TJ820	1/4W 82
R129	ERDS2TJ473	1/4W 47K
R130	ERDS2TJ103	1/4W 10K
R132	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K
R138	ERDS2TJ103	1/4W 10K
R139, 140	ERDS2TJ272T	1/4W 2.7K
R141, 142	ERDS2TJ102	1/4W 1K
R143, 144	ERDS2TJ222	1/4W 2.2K
R145, 146	ERDS2TJ821	1/4W 820
R147, 148	ERDS2TJ474	1/4W 470K
R149	ERDS2TJ680T	1/4W 68
R171, 172	ERDS2TJ102	1/4W 1K
R173	ERDS2TJ471	1/4W 470
R175	ERDS2TJ102	1/4W 1K
R176	ERDS2TJ391	1/4W 390
R177	ERDS2TJ472	1/4W 4.7K
R191	ERDS2TJ103	1/4W 10K (E)
R192	ERDS2TJ122	1/4W 1.2K (E)
R193	ERDS2TJ182	1/4W 1.8K (E)
R194	ERDS2TJ122	1/4W 1.2K (E)
R195	ERDS2TJ222	1/4W 2.2K (E)
R201, 202	ERDS2TJ102	1/4W 1K
R203, 204	ERDS2TJ473	1/4W 47K
R205, 206	ERDS2TJ331	1/4W 330
R207, 208	ERDS2TJ271	1/4W 270
R209, 210	ERDS2TJ184T	1/4W 180K
R211, 212	ERDS2TJ123	1/4W 12K
R213, 214	ERDS2TJ680T	1/4W 68
R215, 216	ERDS2TJ272T	1/4W 2.7K
R217, 218	ERDS2TJ392T	1/4W 3.9K
R219, 220⚠	ERDS1FVJ221T	1/2W 220
R221, 222	ERDS2TJ752T	1/4W 7.5K
R223, 224	ERDS2TJ562	1/4W 5.6K
R225, 226	ERDS2TJ472	1/4W 4.7K
R227, 228	ERDS2TJ332	1/4W 3.3K
R229-231	ERDS2TJ222	1/4W 2.2K
R233, 234	ERDS2TJ223	1/4W 22K
R235, 236	ERDS2TJ822	1/4W 8.2K
R237, 238	ERDS2TJ123	1/4W 12K
R239, 240	ERDS2TJ102	1/4W 1K
R251, 252	ERDS2TJ222	1/4W 2.2K
R253	ERDS2TJ223	1/4W 22K
R254	ERDS2TJ222	1/4W 2.2K
R301, 302	ERDS2TJ222	1/4W 2.2K
R303	ERDS2TJ102	1/4W 1K
R305, 306	ERDS2TJ223	1/4W 22K
R307	ERDS2TJ103	1/4W 10K
R308, 309	ERDS2TJ153	1/4W 15K
R310	ERDS2TJ102	1/4W 1K
R315, 316	ERDS2TJ102	1/4W 1K
R317-320	ERDS2TJ471	1/4W 470
R323-326	ERDS2TJ103	1/4W 10K
R327-330	ERDS2TJ102	1/4W 1K
R331, 332	ERDS2TJ222	1/4W 2.2K
R333	ERDS2TJ104	1/4W 100K
R334	ERDS2TJ102	1/4W 1K
R335	ERDS2TJ104	1/4W 100K
R336	ERDS2TJ223	1/4W 22K
R337, 338	ERDS2TJ391	1/4W 390
R339, 340	ERDS2TJ122	1/4W 1.2K
R341, 342	ERDS2TJ104	1/4W 100K
R343	ERDS2TJ105T	1/4W 1M
R344	ERDS2TJ102	1/4W 1K
R345, 346	ERDS2TJ104	1/4W 100K
R347, 348	ERDS2TJ102	1/4W 1K
R349	ERDS2TJ104	1/4W 100K
R350	ERDS2TJ105T	1/4W 1M
R351	ERDS2TJ222	1/4W 2.2K
R352	ERDS2TJ182	1/4W 1.8K
R353, 354	ERDS2TJ102	1/4W 1K
R355, 356	ERDS2TJ104	1/4W 100K
R357	ERDS2TJ105T	1/4W 1M
R358	ERDS2TJ103	1/4W 10K
R359, 360	ERDS2TJ224T	1/4W 220K
R361	ERDS2TJ102	1/4W 1K
R362	ERDS2TJ223	1/4W 22K
R363, 364	ERDS2TJ473	1/4W 47K
R365	ERDS2TJ102	1/4W 1K
R371, 372	ERDS2TJ100	1/4W 10
R373, 374	ERDS2TJ224T	1/4W 220K
R375	ERDS2TJ103	1/4W 10K
R376	ERDS2TJ223	1/4W 22K
R378, 379	ERDS2EJ121	1/4W 120
R380	ERDS2TJ102	1/4W 1K
R381	ERDS2TJ223	1/4W 22K
R382	ERDS2TJ105T	1/4W 1M
R383	ERDS2TJ472	1/4W 4.7K
R391, 392	ERDS2TJ222	1/4W 2.2K
R393, 394	ERDS2TJ100	1/4W 10
R396	ERDS2TJ102	1/4W 1K
R397, 398	ERDS2TJ150T	1/4W 15
R399	ERDS2TJ105T	1/4W 1M
R451	ERDS2TJ102	1/4W 1K
R452	ERDS2TJ682T	1/4W 6.8K
R453	ERDS2TJ123	1/4W 12K
R454	ERDS2TJ223	1/4W 22K
R506	ERDS2TJ152	1/4W 1.5K
R507	ERDS2TJ331	1/4W 330
R508, 509	ERDS2TJ682T	1/4W 6.8K
R511, 512	ERDS2TJ122	1/4W 1.2K
R550	ERDS2TJ564	1/4W 560K
R551	ERDS2TJ223	1/4W 22K
R552	ERDS2TJ103	1/4W 10K
R553, 554	ERDS2TJ102	1/4W 1K
R555	ERDS2TJ104	1/4W 100K
R556	ERDS2TJ332	1/4W 3.3K
R557	ERDS2TJ103	1/4W 10K
R558	ERDS2TJ102	1/4W 1K
R559	ERDS2TJ562	1/4W 5.6K
R560	ERDS2TJ820	1/4W 82
R562	ERDS2TJ473	1/4W 47K
R563	ERDS2TJ332	1/4W 3.3K
R564	ERDS2TJ155	1/4W 1.5M
R565-567	ERDS2TJ332	1/4W 3.3K
R568-571	ERDS2TJ101	1/4W 100
R572	ERDS2TJ103	1/4W 10K
R573	ERDS2TJ471	1/4W 470
R574-576	ERDS2TJ102	1/4W 1K
R581	ERDS2TJ104	1/4W 100K
R582	ERDS2TJ102	1/4W 1K
R601, 602⚠	ERD2FCVJ4R7T	1/4W 4.7

Ref. No.	Part No.	Values & Remarks
R603, 604	ERDS2TJ102	1/4W 1K
R605	ERDS2TJ101	1/4W 100
R606, 607	ERDS2TJ393	1/4W 39K
R609 ⚠	ERD25FJ2R2	1/4W 2.2
R610	ERDS2TJ332	1/4W 3.3K
R612	ERDS2TJ472	1/4W 4.7K
R613, 614	ERDS2TJ682T	1/4W 6.8K
R615	ERDS2TJ103	1/4W 10K
R616 ⚠	ERD25FVJ4R7T	1/4W 4.7
R621, 622	ERDS2TJ151	1/4W 150
R623, 624	ERDS2TJ682T	1/4W 6.8K
R631-634	ERDS2TJ102	1/4W 1K
R635, 636	ERDS2TJ222	1/4W 2.2K
R637	ERDS2TJ100	1/4W 10
R638	ERDS2TJ103	1/4W 10K
R641, 642	ERDS2TJ471	1/4W 470
R646	ERDS2TJ562	1/4W 5.6K
R647	ERDS2TJ123	1/4W 12K
R651-654	ERDS2TJ2R2T	1/4W 2.2
R655	ERDS2TJ102	1/4W 1K
R656	ERDS2TJ221	1/4W 220
R671	ERDS2TJ102	1/4W 1K
R701, 702	ERDS2TJ103	1/4W 10K
R703, 704	ERDS2TJ822	1/4W 8.2K
R705, 706	ERDS2TJ332	1/4W 3.3K
R707, 708	ERDS2TJ472	1/4W 4.7K
R709, 710	ERDS2TJ103	1/4W 10K
R711, 712	ERDS2TJ822	1/4W 8.2K
R718	ERDS2TJ680T	1/4W 68
R719, 720	ERDS2TJ750	1/4W 75
R721	ERDS2TJ680T	1/4W 68
R722, 723	ERDS2TJ102	1/4W 1K
R724	ERDS2TJ103	1/4W 10K
R726, 727	ERDS2TJ103	1/4W 10K
R801, 802	ERDS2TJ392T	1/4W 3.9K
R803-806	ERDS2TJ222	1/4W 2.2K
R807, 808	ERDS2TJ104	1/4W 100K
R809, 810	ERDS2TJ102	1/4W 1K
R811	ERDS2TJ105T	1/4W 1M
R813	ERDS2TJ472	1/4W 4.7K
R814-816	ERDS2TJ332	1/4W 3.3K
R817	ERDS2TJ333	1/4W 33K
R818	ERDS2TJ183T	1/4W 18K
R819, 820	ERDS2TJ102	1/4W 1K
R821	ERDS2TJ473	1/4W 47K
R822	ERDS2TJ334	1/4W 330K
R823	ERDS2TJ102	1/4W 1K
R824	ERDS2TJ105T	1/4W 1M
R828	ERDS2TJ222	1/4W 2.2K
R829, 830	ERDS2TJ473	1/4W 47K
R831, 832	ERDS2TJ183T	1/4W 18K
R833, 834	ERDS2TJ333	1/4W 33K

Ref. No.	Part No.	Values & Remarks
R835, 836	ERDS2TJ222	1/4W 2.2K
R837, 838	ERDS2TJ332	1/4W 3.3K
R839, 840	ERDS2TJ103	1/4W 10K
R841, 842	ERDS2TJ104	1/4W 100K
R843, 844	ERDS2TJ222	1/4W 2.2K
R845	ERDS2TJ102	1/4W 1K
R846	ERDS2TJ391	1/4W 390
R847, 848	ERDS2TJ102	1/4W 1K
R849	ERDS2TJ391	1/4W 390
R850	ERDS2TJ105T	1/4W 1M
R851, 852	ERDS2TJ102	1/4W 1K
R853, 854	ERDS2TJ223	1/4W 22K
R855, 856	ERDS2TJ102	1/4W 1K
R857, 858	ERDS2EJ121	1/4W 120
R859	ERDS2TJ472	1/4W 4.7K
R860	ERDS2TJ102	1/4W 1K
R861	ERDS2TJ105T	1/4W 1M
R862	ERDS2TJ472	1/4W 4.7K
R863-865	ERDS2TJ473	1/4W 47K
R866-868	ERDS2TJ102	1/4W 1K
R871, 872	ERDS2TJ4R7T	1/4W 4.7
R873 ⚠	ERD2FCVJ4R7T	1/4W 4.7
R874, 875	ERDS2TJ221	1/4W 220
R901	ERDS2TJ821	1/4W 820
R902	ERDS2TJ102	1/4W 1K
R903	ERDS2TJ122	1/4W 1.2K
R904	ERDS2TJ152	1/4W 1.5K
R905	ERDS2TJ182	1/4W 1.8K
R906	ERDS2TJ222	1/4W 2.2K
R907	ERDS2TJ332	1/4W 3.3K
R908	ERDS2TJ223	1/4W 22K
R909	ERDS2TJ103	1/4W 10K
R910	ERDS2TJ821	1/4W 820
R911	ERDS2TJ102	1/4W 1K
R912	ERDS2TJ122	1/4W 1.2K
R913	ERDS2TJ152	1/4W 1.5K
R914	ERDS2TJ182	1/4W 1.8K
R915	ERDS2TJ222	1/4W 2.2K
R916-919	ERDS2TJ103	1/4W 10K
R920-922	ERDS2TJ102	1/4W 1K
R923	ERDS2TJ391	1/4W 390
R924	ERDS2TJ102	1/4W 1K
R925	ERDS2TJ221	1/4W 220
R926	ERDS2TJ101	1/4W 100
R927-933	ERDS2TJ102	1/4W 1K
R934	ERDS2TJ101	1/4W 100
R935	ERDS2TJ102	1/4W 1K
R936	ERDS2TJ101	1/4W 100
R938	ERDS2TJ102	1/4W 1K
R939	ERDS2TJ101	1/4W 100
R940, 941	ERDS2TJ393	1/4W 39K
R942	ERDS2TJ562	1/4W 5.6K

Ref. No.	Part No.	Values & Remarks
R943	ERDS2TJ223	1/4W 22K
R944	ERDS2TJ473	1/4W 47K
R945, 946	ERDS2TJ102	1/4W 1K
R947, 948	ERDS2TJ103	1/4W 10K
R949	ERDS2TJ472	1/4W 4.7K
R950	ERDS2TJ102	1/4W 1K
R951	ERDS2TJ104	1/4W 100K
R952, 953	ERDS2TJ102	1/4W 1K
R954	ERDS2TJ101	1/4W 100
R955	ERDS2TJ824	1/4W 820K
R956	ERDS2TJ101	1/4W 100
R957	ERDS2TJ102	1/4W 1K
R958	ERDS2TJ471	1/4W 470
R959	ERDS2TJ103	1/4W 10K
R960	ERDS2TJ472	1/4W 4.7K
R961	ERDS2TJ103	1/4W 10K
R962	ERDS2TJ473	1/4W 47K
R963-965	ERDS2TJ472	1/4W 4.7K
R966	ERDS2TJ123	1/4W 12K
R967	ERDS2TJ472	1/4W 4.7K
R968, 969	ERDS2TJ152	1/4W 1.5K
R971	ERDS2TJ104	1/4W 100K
R972	ERDS2TJ820	1/4W 82
R973	ERDS2TJ151	1/4W 150
R974, 975	ERDS2TJ473	1/4W 47K
R976	ERDS2TJ272T	1/4W 2.7K
R977	ERDS2TJ102	1/4W 1K
R978-992	ERDS2TJ104	1/4W 100K
R993-995	ERDS2TJ102	1/4W 1K
R996	ERDS2TJ101	1/4W 100
R997-999	ERDS2TJ102	1/4W 1K
		CAPACITORS
C101	ECBT1C103NS5	16V 0.01U
C103	ECBT1C103NS5	16V 0.01U
C104, 105	ECBT1H102KB5	50V 1000P
C106	ECBT1C103NS5	16V 0.01U
C107	ECBT1H473ZF5	50V 0.047U
C108	ECBT1H100JC5	50V 10P (E)
C108	ECBT1H8R2KC5	50V 8.2P (EG)
C109, 110	ECBT1C103NS5	16V 0.01U
C111	ECEA1EKA4R7B	25V 4.7U
C112	ECBT1C103NS5	16V 0.01U
C113	ECBT1H102KB5	50V 1000P
C114	RCE1HKA3R3BG	50V 3.3U
C115	ECEA1EKA4R7B	25V 4.7U
C116	ECBT1C822KS5	16V 8200P
C117	ECQB1H561JF3	50V 560P
C118, 119	ECFR1C103KR	16V 0.01U
C120, 121	ECEA1HKA010B	50V 1U
C122	ECEA1HKA2R2B	50V 2.2U

Ref. No.	Part No.	Values & Remarks
C123	ECEA1HKA010B	50V 1U
C124	ECBT1H102KB5	50V 1000P
C125	ECBT1H150JC5	50V 15P
C126	ECBT1H473ZF5	50V 0.047U
C127	RCE1CKA220BG	16V 22U
C128	ECBT1H102KB5	50V 1000P
C129, 130	RCE0JKA101BV	6.3V 100U
C132	ECBT1H102KB5	50V 1000P
C133, 134	ECBT1H270JU5	50V 27P
C135, 136	ECBT1C103KS5	16V 0.01U
C137, 138	ECBT1H561KB5	50V 560P
C139, 140	ECBT1C682KR5	16V 6800P
C141-144	ECEA1HKA010B	50V 1U
C145	ECBT1H220JC5	50V 22P
C148	ECBT1C103NS5	16V 0.01U
C149	ECBT1H104ZF5	50V 0.1U
C171, 172	ECBT1H102KB5	50V 1000P
C173	RCE1CKA220BG	16V 22U
C174	RCE1CKA100BG	16V 10U
C181	ECBT1H471KB5	50V 470P
C196	ECBT1H102KB5	50V 1000P
C201, 202	ECBT1H180J5	50V 18P
C203, 204	ECBT1H151KB5	50V 150P
C205, 206	ECBT1H102KB5	50V 1000P
C207, 208	RCE1AKA330BG	10V 33U
C209, 210	ECBT0J223MS5	6.3V 0.022U
C211, 212	ECBT1C682KR5	16V 6800P
C213, 214	RCE1CKA100BG	16V 10U
C215	ECBT1E103ZF	25V 0.01U
C216	RCE1CM101BV	16V 100U
C217	ECBT1E103ZF	25V 0.01U
C218	RCE1AKA101BG	10V 100U
C219-222	ECBT1H101KB5	50V 100P
C223, 224	ECBT1H104ZF5	50V 0.1U
C225-227	ECBT1H470J5	50V 47P
C231, 232	ECBT1E103ZF	25V 0.01U
C233, 234	ECBT1H102KB5	50V 1000P
C235, 236	ECBT1H101KB5	50V 100P
C251	RCE1CKA470BG	16V 47U
C301, 302	ECBT1H470J5	50V 47P
C303	ECBT1E103ZF	25V 0.01U
C304	ECFR1C473KR	16V 0.047U
C305, 306	RCE1CKA100BG	16V 10U
C307-310	ECFR1C104KR	16V 0.1U
C311, 312	ECFR1C123KR	16V 0.012U
C313, 314	ECFR1C153KR	16V 0.015U
C315, 316	ECBT1C332KR5	16V 3300P
C317, 318	ECEA1HKAR15B	50V 0.15U
C319, 320	ECFR1C104KR	16V 0.1U
C321	ECBT1E103ZF	25V 0.01U
C322	ECFR1C473KR	16V 0.047U
C323	ECFR1C103KR	16V 0.01U

Ref. No.	Part No.	Values & Remarks
C335, 336	RCE1CKA100BG	16V 10U
C337-340	RCE1CKA220BG	16V 22U
C341, 342	ECEA1AKN100B	10V 10U
C343	RCE1CKA100BG	16V 10U
C344, 345	ECBT1H470J5	50V 47P
C346	ECEA1HKA0R1B	50V 0.1U
C347	ECEA1CN100SB	16V 10U
C348	ECEA1CKA330B	16V 33U
C349	RCE1HKA3R3BG	50V 3.3U
C350	RCE0JKA470BG	6.3V 47U
C351, 352	RCE1CKA100BG	16V 10U
C353, 354	ECBT1H101KB5	50V 100P
C355	ECEA1CKA330B	16V 33U
C356	ECBT1H104ZF5	50V 0.1U
C357	RCE1CM101BV	16V 100U
C361, 362	ECBT1H221KB5	50V 220P
C365	RCE0JKA470BG	6.3V 47U
C391, 392	RCE1CM101BV	16V 100U
C393, 394	ECBT1H102KB5	50V 1000P
C453	ECEA1HKA010B	50V 1U
C455	RCE1CKA100BG	16V 10U
C509	ECBT1E103ZF	25V 0.01U
C510	RCE1AKA101BG	10V 100U
C550	RCE0JKA101BV	6.3V 100U
C551	ECBT1H331KB5	50V 330P
C551	RCE1CKA220BG	16V 22U
C552	ECBT1H331KB5	50V 330P
C552	RCE1CKA100BG	16V 10U
C553	ECBT1E103ZF	25V 0.01U
C553	ECEA1EKA4R7B	25V 4.7U
C554	ECBT1E103ZF	25V 0.01U
C554	RCE1CKA100BG	16V 10U
C555	ECEA1EKA4R7B	25V 4.7U
C556	RCE1CKA100BG	16V 10U
C557	ECBT1H102KB5	50V 1000P
C558	RCE0JKA101BV	6.3V 100U
C559, 560	ECEA1HKA010B	50V 1U
C561	ECFR1C223KR	16V 0.022U
C562, 563	ECFR1C333KR	16V 0.033U
C564	ECBT1C332KR5	16V 3300P
C565	ECBT1C682KR5	16V 6800P
C566	ECBT1C332KR5	16V 3300P
C567	ECBT1C103KS5	16V 0.01U
C568-570	ECBT1H102KB5	50V 1000P
C581, 582	ECBT1H104ZF5	50V 0.1U
C601, 602	ECKT1H223ZF	50V 0.022U
C603 ⚠	ECA1EM222B	25V 2200U
C604 ⚠	RCE1EM221BV	25V 220U
C605, 606	ECBT1E103ZF	25V 0.01U
C607	RCE1CKA100BG	16V 10U
C608	RCE1CM101BV	16V 100U
C609	ECBT1H102KB5	50V 1000P

Ref. No.	Part No.	Values & Remarks
C610, 611	ECBT1H104ZF5	50V 0.1U
C612	RCE1EM471BV	25V 470U
C613	ECBT1E103ZF	25V 0.01U
C614	RCE1CKA100BG	16V 10U
C615	ECEA1EKA101B	25V 100U
C616	ECA1HM470B	50V 47U
C617 ⚠	ECA1HM470B	50V 47U
C618	ECA1JM470B	63V 47U
C619	ECBT1E103ZF	25V 0.01U
C620	RCE1VKA100BG	35V 10U
C622	RCE1VKA100BG	35V 10U
C631-636	ECBT1H101KB5	50V 100P
C637	ECBT1H102KB5	50V 1000P
C638	ECBT1H101KB5	50V 100P
C651, 652	ECBT1H104ZF5	50V 0.1U
C653, 654	ECBT1H102KB5	50V 1000P
C655	RCE1CM101BV	16V 100U
C701-706	ECBT1H101KB5	50V 100P
C707	ECBT1H102KB5	50V 1000P
C709	ECBT1H470J5	50V 47P
C711	ECBT1H470J5	50V 47P
C712, 713	ECBT1H104ZF5	50V 0.1U
C714, 715	RCE1CKA100BG	16V 10U
C716, 717	ECBT1H104ZF5	50V 0.1U
C722, 723	RCE1CKA100BG	16V 10U
C801	ECFR1C223KR	16V 0.022U
C802	ECFR1E473KR	25V 0.047U
C803	RCE0JKA221BV	6.3V 220U
C804-807	RCE1CKA100BG	16V 10U
C808	RCE0JKA221BV	6.3V 220U
C809, 810	ECEA1HKA010B	50V 1U
C811, 812	ECQV1H104JM3	50V 0.1U
C813	RCE1HKAR47BG	50V 0.47U
C814	ECEA1VKA4R7B	35V 4.7U
C815	RCE1HKAR47BG	50V 0.47U
C816	ECEA1VKA4R7B	35V 4.7U
C817	ECEA1HKAR15B	50V 0.15U
C818	RCE1HKA3R3BG	50V 3.3U
C819, 820	ECQV1H154JM3	50V 0.15U
C821	RCE1HKA3R3BG	50V 3.3U
C822	ECEA1HKAR15B	50V 0.15U
C823	ECEA1VKA4R7B	35V 4.7U
C824	RCE1HKAR47BG	50V 0.47U
C825	ECEA1VKA4R7B	35V 4.7U
C826	RCE1HKAR47BG	50V 0.47U
C827, 828	ECQV1H104JM3	50V 0.1U
C829	RCE1CKA470BG	16V 47U
C830	ECQV1H474JM3	50V 0.47U
C831	ECBA1H681KB5	50V 680P
C832	ECBT1H560J5	50V 56P
C833, 834	ECBT1H101KB5	50V 100P
C835	ECEA1HKA2R2B	50V 2.2U

Ref.No.	Part No.	Values & Remarks	Ref.No.	Part No.	Values & Remarks			
C836	ECEA1HKA010B	50V 1U						
C837	RCE1CKA101BV	16V 100U						
C838	ECBT1E223ZF	25V 0.022U						
C839	ECA1AM471B	10V 470U						
C840	RCE1CKA220BG	16V 22U						
C841, 842	RCE1HKA3R3BG	50V 3.3U						
C843, 844	RCE1CKA220BG	16V 22U						
C845	RCE0JKA221BV	6.3V 220U						
C846	ECEA1HKA010B	50V 1U						
C847	ECQB1H393JF3	50V 0.039U						
C848	ECFR1E152KR	25V 1500P						
C849	ECQM1H333JZ	50V 0.033U						
C850	RCE1CKA101BV	16V 100U						
C851	ECBT1E223ZF	25V 0.022U						
C852	ECBA1H681KB5	50V 680P						
C853, 854	RCE1HKA3R3BG	50V 3.3U						
C855-858	ECBT1E103ZF	25V 0.01U						
C859, 860	ECBT1H101KB5	50V 100P						
C861, 862	RCE1CKA100BG	16V 10U						
C863-866	RCE1CKA220BG	16V 22U						
C867, 868	RCE1CKA100BG	16V 10U						
C869	ECEA1CKA330B	16V 33U						
C870	RCE1CKA100BG	16V 10U						
C871, 872	ECBT1H470J5	50V 47P						
C873	RCE0JKA470BG	6.3V 47U						
C875, 876	RCE1CKA100BG	16V 10U						
C877	RCE0JKA470BG	6.3V 47U						
C878	ECBT1E103ZF	25V 0.01U						
C880	RCE1AKA101BG	10V 100U						
C881	ECA1CM221B	16V 220U						
C882	RCE1CKA101BV	16V 100U						
C887	ECBT1H102KB5	50V 1000P						
C888, 889	ECBT1H221KB5	50V 220P						
C891	ECBT1H104ZF5	50V 0.1U						
C901-904	ECBT1H471KB5	50V 470P						
C905, 906	ECBT1H102KB5	50V 1000P						
C907	ECBT1H104ZF5	50V 0.1U						
C908	ECBT1E103ZF	25V 0.01U						
C909	ECEA1HKA2R2B	50V 2.2U						
C910	RCE1CKA100BG	16V 10U						
C911	ECBT1H270JU5	50V 27P						
C912	ECBT1H220GC5	50V 22P						
C913	ECBT1H104ZF5	50V 0.1U						
C915	ECBT1E103ZF	25V 0.01U						
C916, 917	ECEA1HKA010B	50V 1U						
C918	ECBT1H104ZF5	50V 0.1U						
C919	RCE0JU102BV	6.3V 1000U						
C920	ECBT1E103ZF	25V 0.01U						
C921	ECA0JKF101B	6.3V 100U						
C923	RCE0JKA221BV	6.3V 220U						
C924-926	ECBT1H102KB5	50V 1000P						
C927	ECBT1C105ZF5	16V 1U						

For (GC) area

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	LA1832MH-TEL	IC, FM/AM IF AMP.	
IC102	LC7218M-TE-L	IC, PLL FREQ. SYNTHESIZER	
IC201	AN6558SFE2	IC, PHONO EQ AMP	
IC202	NJU7313AMT2	IC, INPUT SELECTOR	
IC203	M5219FPTA	IC, BUFFER AMP	
IC301	M62422FPE1	IC, DIGITAL SOUND CONT	
IC302	M62425FPE1	IC, ELECTONIC VOLUME	
IC401	M65843FPE1	IC, ECHO AMP	
IC551	BA4558FDXT1	IC, MIC AMP	
IC581	MC14066BFEL	IC, SWITCHING	
IC701	NJM2279MT2	IC, VIDEO AMP	
IC702	MC14052BFR2	IC, INPUT SELECTOR	
IC801	LA2785	IC, DOLBY PRO LOGIC CONTROL	
IC802	LV1010N	IC, DOLBY PRO LOGIC DRIVE	
IC803	M62425FPE1	IC, ELECTONIC VOLUME	
IC804	M5219FPTA	IC, BUFFER AMP	
IC901	M38197MA118F	IC, SYSTEM CONTROL/FL DRIVE	
		TRANSISTOR(S)	
Q101, 102	2SC2787L	TRANSISTOR	
Q103, 104	2SC2785FE	TRANSISTOR	
Q106	UN411FTA	TRANSISTOR	
Q107, 108	2SC3311ARSTA	TRANSISTOR	
Q251, 252	2SD2144S	TRANSISTOR	
Q304	2SD2144S	TRANSISTOR	
Q305, 306	2SC3311A-Q	TRANSISTOR	
Q307, 308	2SD2144S	TRANSISTOR	
Q309, 310	UN4115	TRANSISTOR	
Q312, 313	2SA1309A-R	TRANSISTOR	
Q315, 316	2SC3311A-Q	TRANSISTOR	
Q317	UN4115	TRANSISTOR	
Q402, 403	2SD2144S	TRANSISTOR	
Q404, 405	UN4115	TRANSISTOR	
Q406	2SC3311A-Q	TRANSISTOR	⚠
Q407	2SJ40CTA	TRANSISTOR	
Q503	2SC3940AQSTA	TRANSISTOR	⚠
Q581	UN4211	TRANSISTOR	
Q582	UN4111	TRANSISTOR	
Q583	UN4211	TRANSISTOR	
Q601	2SD2137PQTA	TRANSISTOR	⚠
Q602	2SB1417PQTA	TRANSISTOR	⚠
Q603	2SD2137PQTA	TRANSISTOR	⚠
Q604	2SD2144S	TRANSISTOR	
Q605	2SD2137PQTA	TRANSISTOR	⚠
Q606	2SB621A-R	TRANSISTOR	⚠
Q607	UN4213AITA	TRANSISTOR	
Q608	UN4111	TRANSISTOR	
Q614	2SB1417PQTA	TRANSISTOR	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
Q701	2SB621A-R	TRANSISTOR	⚠
Q702	2SD592ARSTA	TRANSISTOR	⚠
Q703	UN4211	TRANSISTOR	
Q801, 802	2SD1450RTA	TRANSISTOR	
Q803, 804	UN4115	TRANSISTOR	
Q805, 806	2SD1450RTA	TRANSISTOR	
Q807, 808	2SC3327-A	TRANSISTOR	
Q809	UN4115	TRANSISTOR	
Q811, 812	2SD2137PQTA	TRANSISTOR	⚠
Q901	UN4214TA	TRANSISTOR	
Q902-904	2SC3311A-Q	TRANSISTOR	
Q905	UN411FTA	TRANSISTOR	
Q906	2SC3311A-Q	TRANSISTOR	
Q907	UN4119	TRANSISTOR	
Q908	2SD2144S	TRANSISTOR	
		DIODE(S)	
D101	MA4051MTA	DIODE	⚠
D102	MA165	DIODE	
D251	MA29WA	DIODE	
D301	MA4051-L	DIODE	⚠
D302	MA165	DIODE	
D401, 402	MA165	DIODE	
D405	MA4056MTA	DIODE	⚠
D504	MA4082MTA	DIODE	⚠
D601-604	RL1N4003N02	DIODE	⚠
D605	MA165	DIODE	
D606, 607	MA719TA	DIODE	
D609	MA4075HTA	DIODE	⚠
D610	MA4082LTA	DIODE	⚠
D611, 612	RL1N4003N02	DIODE	⚠
D613, 614	MA185TA	DIODE	⚠
D615	MA4051MTA	DIODE	⚠
D616	MA4062-H	DIODE	⚠
D617	MA4300M	DIODE	⚠
D618-621	MA185TA	DIODE	⚠
D622	MA4039MTA	DIODE	⚠
D631	MA700TA	DIODE	
D632	MA165	DIODE	
D651, 652	MA165	DIODE	
D653	MA719TA	DIODE	
D701, 702	MA4056MTA	DIODE	⚠
D801-803	MA165	DIODE	
D808	MA4100MTA	DIODE	⚠
D901, 902	MA165	DIODE	
D903	SPR505MDTT	LED	
D910-912	1SS291TA	DIODE	
D934	MA165	DIODE	
D936, 937	MA165	DIODE	
D941	MA165	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT COMBINATION(S)	
Z101	RLA2Z002M-T	COMPONENT COMBINATION	
Z102	RLI2Z006M-T	COMPONENT COMBINATION	
Z120	RAL0006	FM FRONT END	
Z901	RCDHC-278N	REMOTE SENSOR	
		COIL(S)	
L101	ELESNR68MA	COIL	
L103	ELEXTR47MA9	COIL	
L105, 106	ELELN822KL	COIL	
L191	ELESNR68MA	COIL	
L801	ELESN101KA	COIL	
L901	RLQA100JT-Y	COIL	
		FILTER(S)	
CF201, 202	RLFFETWND01M	CERAMIC FILTER	
		OSCILLATOR(S)	
X101	RSXZ456KM07M	OSCILLATOR(456KHz)	
X102	RLFDGT05DD	OSCILLATOR(10.65MHz)	
X103	RSXC7M20S05T	OSCILLATOR(7.2MHz)	
X401	RSXB375KM01M	OSCILLATOR(375KHz)	
X801	EF0EC8004T4	OSCILLATOR(8MHz)	
X901	RSXC4M19S02T	OSCILLATOR(4.19MHz)	
		DISPLAY TUBE	
FL901	RSL0206-F	DISPLAY TUBE	
		SWITCH(ES)	
S901	EVQ21405R	SW, FM	
S902	EVQ21405R	SW, AM	
S903	EVQ21405R	SW, TUNING MODE	
S904	EVQ21405R	SW, TIMER CLOCK	
S905	EVQ21405R	SW, SET	
S906	EVQ21405R	SW, TUNING/TIMER	
S907	EVQ21405R	SW, TUNING/TIMER	
S914	EVQ21405R	SW, ECHO	
S915	EVQ21405R	SW, KARAOKE	
S916	EVQ21405R	SW, PLAY	
S917	EVQ21405R	SW, REC	
S918	EVQ21405R	SW, SELECTOR	
		CONNECTOR(S)	
CN701	RJT057W012-1	CONNECTOR(12P)	
CN801	RJT057W012-1	CONNECTOR(12P)	

Ref. No.	Part No.	Part Name & Description	Remarks
CN101A	RJT057W007-1	CONNECTOR(7P)	
CN102A	RJT057W007-1	CONNECTOR(7P)	
CN901A	RJS1A6820	CONNECTOR(20P)	
CN902A	RJS1A6820	CONNECTOR(20P)	
CN101B	RJU057W007	CONNECTOR(7P)	
CN102B	RJU057W007	CONNECTOR(7P)	
CN901B	RJS1A6820	CONNECTOR(20P)	
CN902B	RJS1A6820	CONNECTOR(20P)	
CP701	RJU057W012	CONNECTOR(12P)	
CP801	RJU057W012	CONNECTOR(12P)	
		GND PLATE	
E601, 602	SNE1004-2	GND PLATE	
		RELAY	
RL601	RSY0017M-0	RELAY	⚠
		JACK	
JK101	RJH5404M	EXT ANT	
JK201	SJF3068-7N	EXT OUT	
JK202	SJF3069-5N	EXT IN/PHONO	
JK601	RJT065K15	CONNECTOR(15P)	
JK602	RJT065K19	CONNECTOR(19P)	
JK603	RJT065K20	CONNECTOR(20P)	
JK701	SJF3068-7N	VCR OUT	
JK702	SJF3069-5N	VDP IN/VCR IN	
JK703	SJF3069-3N	VDP IN/VCR/TV MONITOR OUT	

For (GC) area

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R103	ERDS2TJ271	1/4W 270
R104	ERDS2TJ822	1/4W 8.2K
R105	ERDS2TJ471	1/4W 470
R106	ERDS2TJ474	1/4W 470K
R107	ERDS2TJ331	1/4W 330
R108	ERDS2TJ474	1/4W 470K
R109	ERDS2TJ331	1/4W 330
R110	ERDS2TJ102	1/4W 1K
R112	ERDS2TJ104	1/4W 100K
R113	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K
R115	ERDS2TJ561	1/4W 560
R116	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ273	1/4W 27K
R118	ERDS2TJ562	1/4W 5.6K
R119	ERDS2TJ682T	1/4W 6.8K
R120	ERDS2TJ473	1/4W 47K
R121	ERDS2TJ332	1/4W 3.3K
R122	ERDS2TJ272T	1/4W 2.7K
R124	ERDS2TJ271	1/4W 270
R125, 126	ERDS2TJ152	1/4W 1.5K
R127	ERDS2TJ103	1/4W 10K
R128	ERDS2TJ820	1/4W 82
R129	ERDS2TJ473	1/4W 47K
R130	ERDS2TJ103	1/4W 10K
R132	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K
R138	ERDS2TJ103	1/4W 10K
R139, 140	ERDS2TJ272T	1/4W 2.7K
R141, 142	ERDS2TJ102	1/4W 1K
R143, 144	ERDS2TJ222	1/4W 2.2K
R145, 146	ERDS2TJ102	1/4W 1K
R147, 148	ERDS2TJ474	1/4W 470K
R149	ERDS2TJ680T	1/4W 68
R171, 172	ERDS2TJ102	1/4W 1K
R173	ERDS2TJ471	1/4W 470
R175	ERDS2TJ102	1/4W 1K
R176	ERDS2TJ391	1/4W 390
R201, 202	ERDS2TJ102	1/4W 1K
R203, 204	ERDS2TJ473	1/4W 47K
R205, 206	ERDS2TJ331	1/4W 330
R207, 208	ERDS2TJ221	1/4W 220
R209, 210	ERDS2TJ184T	1/4W 180K
R211, 212	ERDS2TJ123	1/4W 12K
R213, 214	ERDS2TJ680T	1/4W 68
R215, 216	ERDS2TJ272T	1/4W 2.7K
R217, 218	ERDS2TJ392T	1/4W 3.9K
R219, 220	ERDS1FVJ221T	1/2W 220
R221, 222	ERDS2TJ752T	1/4W 7.5K
R223, 224	ERDS2TJ562	1/4W 5.6K
R225, 226	ERDS2TJ472	1/4W 4.7K
R227, 228	ERDS2TJ332	1/4W 3.3K
R229-231	ERDS2TJ222	1/4W 2.2K
R233, 234	ERDS2TJ223	1/4W 22K
R235, 236	ERDS2TJ822	1/4W 8.2K
R237, 238	ERDS2TJ123	1/4W 12K
R239, 240	ERDS2TJ102	1/4W 1K
R251, 252	ERDS2TJ222	1/4W 2.2K
R253	ERDS2TJ223	1/4W 22K
R254	ERDS2TJ222	1/4W 2.2K
R301, 302	ERDS2TJ222	1/4W 2.2K
R303	ERDS2TJ102	1/4W 1K
R305, 306	ERDS2TJ223	1/4W 22K
R307	ERDS2TJ822	1/4W 8.2K
R308, 309	ERDS2TJ153	1/4W 15K
R310	ERDS2TJ102	1/4W 1K
R315, 316	ERDS2TJ102	1/4W 1K
R317-320	ERDS2TJ471	1/4W 470
R323-326	ERDS2TJ103	1/4W 10K
R327-330	ERDS2TJ102	1/4W 1K
R331, 332	ERDS2TJ222	1/4W 2.2K
R333	ERDS2TJ104	1/4W 100K
R334	ERDS2TJ102	1/4W 1K
R335	ERDS2TJ104	1/4W 100K
R336	ERDS2TJ223	1/4W 22K
R337, 338	ERDS2TJ391	1/4W 390
R339, 340	ERDS2TJ122	1/4W 1.2K
R341, 342	ERDS2TJ104	1/4W 100K
R343	ERDS2TJ105T	1/4W 1M
R344	ERDS2TJ102	1/4W 1K
R345, 346	ERDS2TJ104	1/4W 100K
R347, 348	ERDS2TJ102	1/4W 1K
R349	ERDS2TJ104	1/4W 100K
R350	ERDS2TJ105T	1/4W 1M
R351	ERDS2TJ222	1/4W 2.2K
R352	ERDS2TJ182	1/4W 1.8K
R353, 354	ERDS2TJ102	1/4W 1K
R355, 356	ERDS2TJ104	1/4W 100K
R357	ERDS2TJ105T	1/4W 1M
R358	ERDS2TJ822	1/4W 8.2K
R359, 360	ERDS2TJ224T	1/4W 220K
R361	ERDS2TJ102	1/4W 1K
R362	ERDS2TJ223	1/4W 22K
R363, 364	ERDS2TJ473	1/4W 47K
R365	ERDS2TJ102	1/4W 1K
R371, 372	ERDS2TJ100	1/4W 10
R373, 374	ERDS2TJ224T	1/4W 220K
R375	ERDS2TJ103	1/4W 10K
R376	ERDS2TJ223	1/4W 22K
R378, 379	ERDS2EJ121	1/4W 120
R380	ERDS2TJ102	1/4W 1K
R381	ERDS2TJ223	1/4W 22K
R382	ERDS2TJ105T	1/4W 1M
R383	ERDS2TJ472	1/4W 4.7K
R391, 392	ERDS2TJ222	1/4W 2.2K
R393, 394	ERDS2TJ100	1/4W 10
R396	ERDS2TJ102	1/4W 1K
R397, 398	ERDS2TJ150T	1/4W 15
R399	ERDS2TJ105T	1/4W 1M
R401	ERDS2TJ273	1/4W 27K
R402	ERDS2TJ153	1/4W 15K
R404	ERDS2TJ330	1/4W 33
R406, 407	ERDS2TJ153	1/4W 15K
R408	ERDS2TJ272T	1/4W 2.7K
R409	ERDS2TJ332	1/4W 3.3K
R410	ERDS2TJ223	1/4W 22K
R411	ERDS2TJ154	1/4W 150K
R412	ERDS2TJ682T	1/4W 6.8K
R413	ERDS2TJ105T	1/4W 1M
R414	ERDS2TJ273	1/4W 27K
R415, 416	ERDS2TJ103	1/4W 10K
R417	ERDS2TJ122	1/4W 1.2K
R418	ERDS2TJ102	1/4W 1K
R419	ERDS2TJ105T	1/4W 1M
R420	ERDS2TJ472	1/4W 4.7K
R421	ERDS2TJ102	1/4W 1K
R422	ERDS2TJ105T	1/4W 1M
R423	ERDS2TJ472	1/4W 4.7K
R424, 425	ERDS2TJ222	1/4W 2.2K
R427	ERDS2TJ104	1/4W 100K
R429	ERDS2TJ471	1/4W 470
R430	ERDS2TJ332	1/4W 3.3K
R431 ⚠	ERDS1FVJ101T	1/2W 100
R433, 434	ERDS2TJ102	1/4W 1K
R441	ERDS2TJ472	1/4W 4.7K
R451	ERDS2TJ102	1/4W 1K
R452	ERDS2TJ682T	1/4W 6.8K
R453	ERDS2TJ123	1/4W 12K
R454	ERDS2TJ562	1/4W 5.6K
R455	ERDS2TJ682T	1/4W 6.8K
R506	ERDS2TJ152	1/4W 1.5K
R507	ERDS2TJ331	1/4W 330
R508, 509	ERDS2TJ682T	1/4W 6.8K
R511, 512	ERDS2TJ122	1/4W 1.2K

Ref. No.	Part No.	Values & Remarks
R581	ERDS2TJ104	1/4W 100K
R582	ERDS2TJ102	1/4W 1K
R601, 602	ERD2FCVJ4R7T	1/4W 4. 7
R603, 604	ERDS2TJ102	1/4W 1K
R605	ERDS2TJ101	1/4W 100
R606, 607	ERDS2TJ393	1/4W 39K
R609	ERD25FJ2R2	1/4W 2. 2
R610	ERDS2TJ332	1/4W 3. 3K
R612	ERDS2TJ472	1/4W 4. 7K
R613, 614	ERDS2TJ682T	1/4W 6. 8K
R615	ERDS2TJ103	1/4W 10K
R616	ERD25FVJ4R7T	1/4W 4. 7
R621, 622	ERDS2TJ151	1/4W 150
R623, 624	ERDS2TJ682T	1/4W 6. 8K
R631-634	ERDS2TJ102	1/4W 1K
R635, 636	ERDS2TJ222	1/4W 2. 2K
R637	ERDS2TJ100	1/4W 10
R638	ERDS2TJ152	1/4W 1. 5K
R641, 642	ERDS2TJ471	1/4W 470
R646	ERDS2TJ562	1/4W 5. 6K
R647	ERDS2TJ123	1/4W 12K
R651-654	ERDS2TJ2R2T	1/4W 2. 2
R655	ERDS2TJ102	1/4W 1K
R656	ERDS2TJ221	1/4W 220
R671	ERDS2TJ102	1/4W 1K
R701, 702	ERDS2TJ103	1/4W 10K
R703, 704	ERDS2TJ822	1/4W 8. 2K
R705, 706	ERDS2TJ332	1/4W 3. 3K
R707, 708	ERDS2TJ472	1/4W 4. 7K
R709, 710	ERDS2TJ103	1/4W 10K
R711, 712	ERDS2TJ822	1/4W 8. 2K
R718	ERDS2TJ680T	1/4W 68
R719, 720	ERDS2TJ750	1/4W 75
R721	ERDS2TJ680T	1/4W 68
R722, 723	ERDS2TJ102	1/4W 1K
R724	ERDS2TJ103	1/4W 10K
R726, 727	ERDS2TJ103	1/4W 10K
R801, 802	ERDS2TJ392T	1/4W 3. 9K
R803-806	ERDS2TJ222	1/4W 2. 2K
R807, 808	ERDS2TJ104	1/4W 100K
R809, 810	ERDS2TJ102	1/4W 1K
R811	ERDS2TJ105T	1/4W 1M
R813	ERDS2TJ472	1/4W 4. 7K
R814-816	ERDS2TJ332	1/4W 3. 3K
R817	ERDS2TJ333	1/4W 33K
R818	ERDS2TJ183T	1/4W 18K
R819, 820	ERDS2TJ102	1/4W 1K
R821	ERDS2TJ473	1/4W 47K
R822	ERDS2TJ334	1/4W 330K
R823	ERDS2TJ102	1/4W 1K
R824	ERDS2TJ105T	1/4W 1M
R828	ERDS2TJ222	1/4W 2. 2K
R829, 830	ERDS2TJ473	1/4W 47K
R831, 832	ERDS2TJ183T	1/4W 18K
R833, 834	ERDS2TJ333	1/4W 33K
R835, 836	ERDS2TJ222	1/4W 2. 2K
R837, 838	ERDS2TJ332	1/4W 3. 3K
R839, 840	ERDS2TJ103	1/4W 10K
R841, 842	ERDS2TJ104	1/4W 100K
R843, 844	ERDS2TJ222	1/4W 2. 2K
R845	ERDS2TJ102	1/4W 1K
R846	ERDS2TJ391	1/4W 390
R847, 848	ERDS2TJ102	1/4W 1K
R849	ERDS2TJ391	1/4W 390
R850	ERDS2TJ105T	1/4W 1M
R851, 852	ERDS2TJ102	1/4W 1K
R853, 854	ERDS2TJ223	1/4W 22K
R855, 856	ERDS2TJ102	1/4W 1K
R857, 858	ERDS2EJ121	1/4W 120
R859	ERDS2TJ472	1/4W 4. 7K
R860	ERDS2TJ102	1/4W 1K
R861	ERDS2TJ105T	1/4W 1M
R862	ERDS2TJ472	1/4W 4. 7K
R863-865	ERDS2TJ473	1/4W 47K
R866-868	ERDS2TJ102	1/4W 1K
R871, 872	ERDS2TJ4R7T	1/4W 4. 7
R873	ERD2FCVJ4R7T	1/4W 4. 7
R874, 875	ERDS2TJ221	1/4W 220
R901	ERDS2TJ821	1/4W 820
R902	ERDS2TJ102	1/4W 1K
R903	ERDS2TJ122	1/4W 1. 2K
R904	ERDS2TJ152	1/4W 1. 5K
R905	ERDS2TJ182	1/4W 1. 8K
R906	ERDS2TJ222	1/4W 2. 2K
R907	ERDS2TJ332	1/4W 3. 3K
R908	ERDS2TJ223	1/4W 22K
R909	ERDS2TJ103	1/4W 10K
R910	ERDS2TJ821	1/4W 820
R911	ERDS2TJ102	1/4W 1K
R912	ERDS2TJ122	1/4W 1. 2K
R913	ERDS2TJ152	1/4W 1. 5K
R914	ERDS2TJ182	1/4W 1. 8K
R915	ERDS2TJ222	1/4W 2. 2K
R916-919	ERDS2TJ103	1/4W 10K
R920-922	ERDS2TJ102	1/4W 1K
R923	ERDS2TJ391	1/4W 390
R924	ERDS2TJ102	1/4W 1K
R925	ERDS2TJ221	1/4W 220
R926	ERDS2TJ101	1/4W 100
R927-933	ERDS2TJ102	1/4W 1K
R934	ERDS2TJ101	1/4W 100
R935	ERDS2TJ102	1/4W 1K
R936	ERDS2TJ101	1/4W 100
R938	ERDS2TJ102	1/4W 1K
R939	ERDS2TJ101	1/4W 100
R940, 941	ERDS2TJ393	1/4W 39K
R942	ERDS2TJ562	1/4W 5. 6K
R943	ERDS2TJ223	1/4W 22K
R944	ERDS2TJ473	1/4W 47K
R945, 946	ERDS2TJ102	1/4W 1K
R947, 948	ERDS2TJ103	1/4W 10K
R949	ERDS2TJ472	1/4W 4. 7K
R950	ERDS2TJ102	1/4W 1K
R951	ERDS2TJ104	1/4W 100K
R952, 953	ERDS2TJ102	1/4W 1K
R954	ERDS2TJ101	1/4W 100
R955	ERDS2TJ824	1/4W 820K
R956	ERDS2TJ101	1/4W 100
R957	ERDS2TJ102	1/4W 1K
R958	ERDS2TJ471	1/4W 470
R959	ERDS2TJ103	1/4W 10K
R960	ERDS2TJ472	1/4W 4. 7K
R961	ERDS2TJ103	1/4W 10K
R962	ERDS2TJ473	1/4W 47K
R963-965	ERDS2TJ472	1/4W 4. 7K
R966	ERDS2TJ123	1/4W 12K
R967	ERDS2TJ472	1/4W 4. 7K
R968, 969	ERDS2TJ152	1/4W 1. 5K
R971	ERDS2TJ104	1/4W 100K
R972	ERDS2TJ820	1/4W 82
R973	ERDS2TJ151	1/4W 150
R974, 975	ERDS2TJ473	1/4W 47K
R976	ERDS2TJ272T	1/4W 2. 7K
R977	ERDS2TJ102	1/4W 1K
R978-992	ERDS2TJ104	1/4W 100K
R993-995	ERDS2TJ102	1/4W 1K
R996	ERDS2TJ101	1/4W 100
R997-999	ERDS2TJ102	1/4W 1K
		CAPACITORS
C1	ECBT1H5R6KC5	50V 5. 6P
C2	RCBS1H102KBY	50V 1000P
C3	ECBT1H2R2JC5	50V 2. 2P
C4	ECBT1H181KB5	50V 180P
C5	ECBT1H5R6KC5	50V 5. 6P
C6	ECBT1H3R3KC5	50V 3. 3P
C7	ECBT1H4R7KC5	50V 4. 7P
C8	ECBT1H3R3KC5	50V 3. 3P
C9	ECBT1H2R2JC5	50V 2. 2P
C10	ECBT1H180J5	50V 18P
C11	RCBS1H102KBY	50V 1000P
C101	ECBT1C103NS5	16V 0. 01U
C103	ECBT1C103NS5	16V 0. 01U
C104, 105	ECBT1H102KB5	50V 1000P
C106	ECBT1C103NS5	16V 0. 01U

Ref. No.	Part No.	Values & Remarks
C107	ECBT1H473ZF5	50V 0.047U
C108	ECBT1H8R2KC5	50V 8.2P
C109, 110	ECBT1C103NS5	16V 0.01U
C111	ECEA1EKA4R7B	25V 4.7U
C112	ECBT1C103NS5	16V 0.01U
C113	ECBT1H102KB5	50V 1000P
C114	RCE1HKA3R3BG	50V 3.3
C115	ECEA1EKA4R7B	25V 4.7U
C116	ECBT1C822KS5	16V 8200P
C117	ECQB1H102JF3	50V 1000P
C118, 119	ECFR1C103KR	16V 0.01U
C120, 121	ECEA1HKA010B	50V 1U
C122	ECEA1HKA2R2B	50V 2.2U
C123	ECEA1HKA010B	50V 1U
C124	ECBT1H102KB5	50V 1000P
C125	ECBT1H150JC5	50V 15P
C126	ECBT1H473ZF5	50V 0.047U
C127	RCE1CKA220BG	16V 22U
C128	ECBT1H102KB5	50V 1000P
C129, 130	RCE0JKA101BV	6.3V 100U
C132	ECBT1H102KB5	50V 1000P
C133, 134	ECBT1H270JU5	50V 27P
C135, 136	ECBT1C103KS5	16V 0.01U
C137, 138	ECBT1H561KB5	50V 560P
C139, 140	ECBT1C562KR5	16V 5600P
C141-144	ECEA1HKA010B	50V 1U
C145	ECBT1H220JC5	50V 22P
C148	ECBT1C103NS5	16V 0.01U
C149	ECBT1H104ZF5	50V 0.1U
C171, 172	ECBT1H102KB5	50V 1000P
C173	RCE1CKA220BG	16V 22U
C174	RCE1CKA100BG	16V 10U
C196	ECBT1H102KB5	50V 1000P
C201, 202	ECBT1H180J5	50V 18P
C203, 204	ECBT1H151KB5	50V 150P
C205, 206	ECBT1H102KB5	50V 1000P
C207, 208	RCE1AKA330BG	10V 33U
C209, 210	ECBT0J223MS5	6.3V 0.022U
C211, 212	ECBT1C682KR5	16V 6800P
C213, 214	RCE1CKA100BG	16V 10U
C215	ECBT1E103ZF	25V 0.01U
C216	RCE1CM101BV	16V 100U
C217	ECBT1E103ZF	25V 0.01U
C218	RCE1AKA101BG	10V 100U
C219-222	ECBT1H101KB5	50V 100P
C223, 224	ECBT1H104ZF5	50V 0.1U
C225-227	ECBT1H470J5	50V 47P
C231, 232	ECBT1E103ZF	25V 0.01U
C233, 234	ECBT1H102KB5	50V 1000P
C235, 236	ECBT1H101KB5	50V 100P
C251	RCE1CKA470BG	16V 47U
C301, 302	ECBT1H470J5	50V 47P

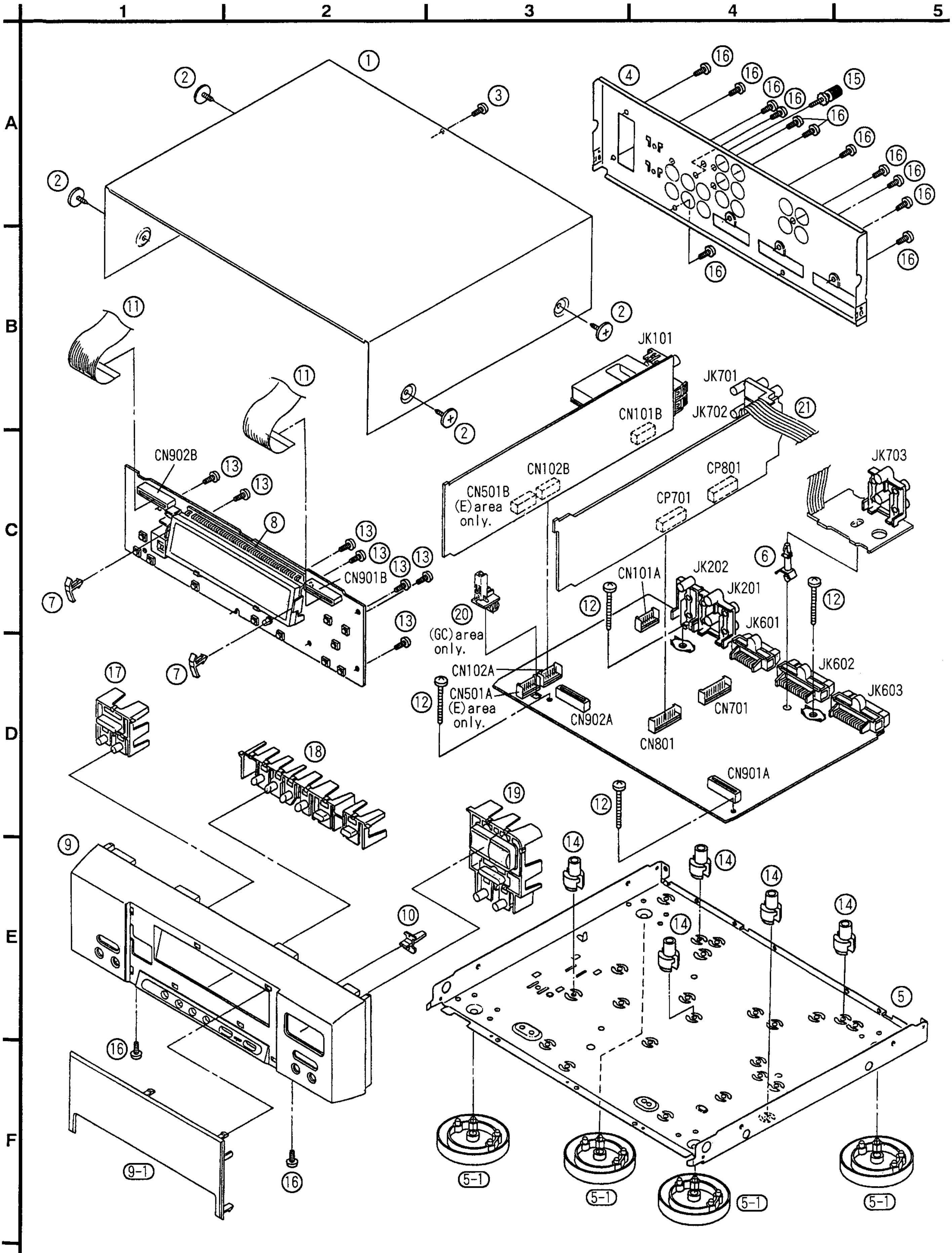
Ref. No.	Part No.	Values & Remarks
C303	ECBT1E103ZF	25V 0.01U
C304	ECFR1C473KR	16V 0.047U
C305, 306	RCE1CKA100BG	16V 10U
C307-310	ECFR1C104KR	16V 0.1U
C311, 312	ECFR1C123KR	16V 0.012U
C313, 314	ECFR1C153KR	16V 0.015U
C315, 316	ECBT1C332KR5	16V 3300P
C317, 318	ECEA1HKAR15B	50V 0.15U
C319, 320	ECFR1C104KR	16V 0.1U
C321	ECBT1E103ZF	25V 0.01U
C322	ECFR1C473KR	16V 0.047U
C323	ECFR1C103KR	16V 0.01U
C335, 336	RCE1CKA100BG	16V 10U
C337-340	RCE1CKA220BG	16V 22U
C341, 342	ECEA1AKN100B	10V 10U
C343	RCE1CKA100BG	16V 10U
C344, 345	ECBT1H470J5	50V 47P
C346	RCE1CKA100BG	16V 10U
C347	ECEA1CN100SB	16V 10U
C348	ECEA1CKA330B	16V 33U
C349	RCE1HKA3R3BG	50V 3.3U
C350	RCE0JKA470BG	6.3V 47U
C351, 352	RCE1CKA100BG	16V 10U
C353, 354	ECBT1H101KB5	50V 100P
C355	ECEA1CKA330B	16V 33U
C356	ECBT1H104ZF5	50V 0.1U
C357	RCE1CM101BV	16V 100U
C361, 362	ECBT1H221KB5	50V 220P
C365	RCE0JKA470BG	6.3V 47U
C391, 392	RCE1CM101BV	16V 100U
C393, 394	ECBT1H102KB5	50V 1000P
C401	ECEA1HKA010B	50V 1U
C402	ECFR1C223KR	16V 0.022U
C403	ECBT1C222KR5	16V 2200P
C404	ECFR1C683KR	16V 0.068U
C406, 407	ECEA1HKNR33B	50V 0.33U
C408	ECFR1C683KR	16V 0.068U
C409	ECFR1C223KR	16V 0.022U
C410	ECBT1C222KR5	16V 2200P
C411	ECFR1C333KR	16V 0.033U
C412	RCE1CKA100BG	16V 10U
C413	RCE1CKA470BG	16V 47U
C415	ECBT1H104ZF5	50V 0.1U
C416	RCE1AKA101BG	10V 100U
C417	ECFR1C153KR	16V 0.015U
C418	ECFR1C333KR	16V 0.033U
C419-421	RCE1CKA100BG	16V 10U
C422	ECBT1E103ZF	25V 0.01U
C423	RCE1CKA100BG	16V 10U
C431	ECBT1H121KB5	50V 120P
C432	ECBT1H471KB5	50V 470P
C451-453	ECEA1HKA010B	50V 1U

Ref. No.	Part No.	Values & Remarks
C455	RCE1CKA100BG	16V 10U
C509	ECBT1E103ZF	25V 0.01U
C510	RCE1AKA101BG	10V 100U
C551, 552	ECBT1H331KB5	50V 330P
C553, 554	ECBT1E103ZF	25V 0.01U
C581, 582	ECBT1H104ZF5	50V 0.1U
C601, 602	ECKT1H223ZF	50V 0.022U
C603	ECA1EM222B	25V 2200U
C604	RCE1EM471BV	25V 470U
C605, 606	ECBT1E103ZF	25V 0.01U
C607	RCE1CKA100BG	16V 10U
C608	RCE1CM101BV	16V 100U
C609	ECBT1H102KB5	50V 1000P
C610, 611	ECBT1H104ZF5	50V 0.1U
C612	RCE1EM471BV	25V 470U
C613	ECBT1E103ZF	25V 0.01U
C614	RCE1CKA100BG	16V 10U
C615	ECEA1EKA101B	25V 100U
C616, 617	ECA1HM470B	50V 47U
C618	ECA1JM470B	63V 47U
C619	ECBT1E103ZF	25V 0.01U
C620	RCE1VKA100BG	35V 10U
C622	RCE1VKA100BG	35V 10U
C631-636	ECBT1H101KB5	50V 100P
C637	ECBT1H102KB5	50V 1000P
C638	ECBT1H101KB5	50V 100P
C651, 652	ECBT1H104ZF5	50V 0.1U
C653	ECBT1H102KB5	50V 1000P
C654	ECBT1H104ZF5	50V 0.1U
C655	RCE1CM101BV	16V 100U
C701-706	ECBT1H101KB5	50V 100P
C707	ECBT1H102KB5	50V 1000P
C709	ECBT1H470J5	50V 47P
C711	ECBT1H470J5	50V 47P
C712, 713	ECBT1H104ZF5	50V 0.1U
C714, 715	RCE1CKA100BG	16V 10U
C716, 717	ECBT1H104ZF5	50V 0.1U
C722, 723	RCE1CKA100BG	16V 10U
C801	ECFR1C223KR	16V 0.022U
C802	ECFR1E473KR	25V 0.047U
C803	RCE0JKA221BV	6.3V 220U
C804-807	RCE1CKA100BG	16V 10U
C808	RCE0JKA221BV	6.3V 220U
C809, 810	ECEA1HKA010B	50V 1U
C811, 812	ECQV1H104JM3	50V 0.1U
C813	RCE1HKAR47BG	50V 0.47U
C814	ECEA1VKA4R7B	35V 4.7U
C815	RCE1HKAR47BG	50V 0.47U
C816	ECEA1VKA4R7B	35V 4.7U
C817	ECEA1HKAR15B	50V 0.15U
C818	RCE1HKA3R3BG	50V 3.3U
C819, 820	ECQV1H154JM3	50V 0.15U

Ref. No.	Part No.	Values & Remarks
C821	RCE1HKA3R3BG	50V 3. 3U
C822	ECEA1HKAR15B	50V 0. 15U
C823	ECEA1VKA4R7B	35V 4. 7U
C824	RCE1HKAR47BG	50V 0. 47U
C825	ECEA1VKA4R7B	35V 4. 7U
C826	RCE1HKAR47BG	50V 0. 47U
C827, 828	ECQV1H104JM3	50V 0. 1U
C829	RCE1CKA470BG	16V 47U
C830	ECQV1H474JM3	50V 0. 47U
C831	ECBA1H681KB5	50V 680P
C832	ECBT1H560J5	50V 56P
C833, 834	ECBT1H101KB5	50V 100P
C835	ECEA1HKA2R2B	50V 2. 2U
C836	ECEA1HKA010B	50V 1U
C837	RCE1CKA101BV	16V 100U
C838	ECBT1E223ZF	25V 0. 022U
C839	ECA1AM471B	10V 470U
C840	RCE1CKA220BG	16V 22U
C841, 842	RCE1HKA3R3BG	50V 3. 3U
C843, 844	RCE1CKA220BG	16V 22U
C845	RCE0JKA221BV	6. 3V 220U
C846	ECEA1HKA010B	50V 1U
C847	ECQB1H393JF3	50V 0. 039U
C848	ECFR1E152KR	25V 1500P
C849	ECQM1H333JZ	50V 0. 033U
C850	RCE1CKA101BV	16V 100U
C851	ECBT1E223ZF	25V 0. 022U
C852	ECBA1H681KB5	50V 680P
C853, 854	RCE1HKA3R3BG	50V 3. 3U
C855-858	ECBT1E103ZF	25V 0. 01U
C859, 860	ECBT1H101KB5	50V 100P
C861, 862	RCE1CKA100BG	16V 10U
C863-866	RCE1CKA220BG	16V 22U
C867, 868	RCE1CKA100BG	16V 10U
C869	ECEA1CKA330B	16V 33U
C870	RCE1CKA100BG	16V 10U
C871, 872	ECBT1H470J5	50V 47P
C873	RCE0JKA470BG	6. 3V 47U
C875, 876	RCE1CKA100BG	16V 10U
C877	RCE0JKA470BG	6. 3V 47U
C878	ECBT1E103ZF	25V 0. 01U
C880	RCE1AKA101BG	10V 100U
C881	ECA1CM221B	16V 220U
C882	RCE1CKA101BV	16V 100U
C887	ECBT1H102KB5	50V 1000P
C888, 889	ECBT1H221KB5	50V 220P
C891	ECEA1AN101XB	10V 100U
C892	ECBT1H221KB5	50V 220P
C893	ECBT1E223ZF	25V 0. 022U
C901-904	ECBT1H471KB5	50V 470P
C905, 906	ECBT1H102KB5	50V 1000P
C907	ECBT1H104ZF5	50V 0. 1U
C908	ECBT1E103ZF	25V 0. 01U
C909	ECEA1HKA2R2B	50V 2. 2U
C910	RCE1CKA100BG	16V 10U
C911	ECBT1H270JU5	50V 27P
C912	ECBT1H220GC5	50V 22P
C913	ECBT1H104ZF5	50V 0. 1U
C915	ECBT1E103ZF	25V 0. 01U
C916, 917	ECEA1HKA010B	50V 1U
C918	ECBT1H104ZF5	50V 0. 1U
C919	RCE0JU102BV	6. 3V 1000U
C920	ECBT1E103ZF	25V 0. 01U
C921	ECA0JKF101B	6. 3V 100U
C923	RCE0JKA221BV	6. 3V 220U
C924-926	ECBT1H102KB5	50V 1000P
C927	ECBT1C105ZF5	16V 1U

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RKM0302-K	CABINET	
2	RHD30007-K1	SCREW	
3	XTB3+8JFZ	SCREW	
4	RGR0216B-A1	REAR PANEL	(E, EG)
4	RGR0216B-C1	REAR PANEL	(GC)
5	RFKJTVC910-K	BOTTOM BOARD ASS'Y	
5-1	RKA0011-3	FOOT	
6	RMN0059	HOLDER	
7	RMN0195	SPACER	
8	RMN0319	FL HOLDER	
9	RFKGTCH730EK	FRONT PANEL ASS'Y	(E, GC)
9	RFKGTCH730EG	FRONT PANEL ASS'Y	(EG)
9-1	RKW0393D-Y	FL PANEL	(E, EG)
9-1	RKW0393B-Y	FL PANEL	(GC)
10	RGL0284-Q	PANEL LIGHT	
11	REZ0777	FLAT CABLE(2P)	
12	XTB3+16JFZ	SCREW	
13	XTBS26+8J	SCREW	
14	SHE185-2	P. C. B. SPACER	
15	SNE2123	GND SCREW	
16	XTBS3+8JFZ1	SCREW	
17	RFKNTCH530EA	BUTTON, SELECTOR	
18	RFKNTCH530EB	BUTTON, BAND	
19	RFKNTCH530EC	BUTTON, MULTI	
20	RMN0337	HOLDER	(GC)
21	REZ0813	FLAT CABLE(6P) (FW701)	

■ Cabinet Parts Location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CP701
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JK202
JK201
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JK601
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